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ABSTRACT

These materials are part of a series dealing with skills and information needed by students in dental assisting. The individualized student materials are suitable for classroom, laboratory, or cooperative training programs. These student materials, designed to be used with the Dental Charting Student Manual, consist of learning activities, unit tests, progress charts, and work sheets for the four units of the manual. Materials include puzzles, diagrams to be labeled, diagrams for students to draw, objective tests, and practice activities coordinated with the units of the Dental Charting Student Manual. (KC)

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Learning Activities, Unit Tests, Progress Chart, and Work Sheet for

_____

Dental Charting

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Unit One
Learning Activity No. 1
Use of Terms and Definitions

In the following statements, fill in the blank with the word that best completes the meaning. Choose the word from those listed.

anterior	mandible
cusp	maxilla
dentition	occlusion
distal	proximal
enamel	quadrant
mesial	apical foramen

1. All of the natural teeth in normal positions in the oral cavity are the _____ 1.
2. A rounded elevation on the chewing surface of a tooth is a(an) _____ 2.
3. One of the four regions of the mouth formed as the midline divides each arch into two identical halves is a(an) _____ 3.
4. The surface of a tooth away from the midline of the arch is _____ 4.
5. The fitting together of maxillary and mandibular teeth is _____ 5.
6. The upper jaw is the _____ 6.
7. The hard, white substance that forms a cover for the crown of a tooth is the _____ 7.
8. The direction that means "toward the front" is the _____ 8.
9. The surface of a tooth closest to the midline of the arch is the _____ surface. _____ 9.
10. The hole for the passage of vessels or nerves at the apex of a tooth is the _____ 10.

Unit One
Learning Activity No. 2
Word Find Puzzle

Directions: The following dental terms can be found in the word find puzzle. They may be vertical, horizontal, or diagonal, and some may be spelled in reverse order. Circle each word as you find it.

anterior
apical foramen
cementum
cusp
dentition
distal
enamel
mandible
mandibular arch
maxilla
maxillary arch
mesial
midline
mucosa
occlusion
permanent
posterior
primary
proximal
quadrant

M	A	X	I	L	L	A	R	Y	A	R	C	H	M
A	A	L	E	T	N	A	R	D	A	U	Q	I	I
D	E	N	T	I	T	I	O	N	P	S	A	D	D
M	A	N	D	I	B	L	E	A	I	S	P	E	L
I	N	N	O	I	S	U	L	C	C	O	O	R	I
C	T	O	N	P	B	Q	F	U	A	R	S	M	N
K	E	T	T	R	U	U	S	U	L	M	T	U	E
Y	R	E	L	O	S	P	L	M	F	E	E	T	E
R	I	M	A	X	I	L	L	A	O	S	R	N	R
A	O	S	T	I	Q	U	A	X	R	I	I	E	D
M	R	L	S	M	U	C	O	S	A	A	O	M	A
I	U	E	I	A	X	I	A	N	M	L	R	E	U
R	D	E	D	L	E	M	A	N	E	N	E	C	Q
P	E	R	M	A	N	E	N	T	N	P	L	E	H

Unit One

Learning Activity No. 3

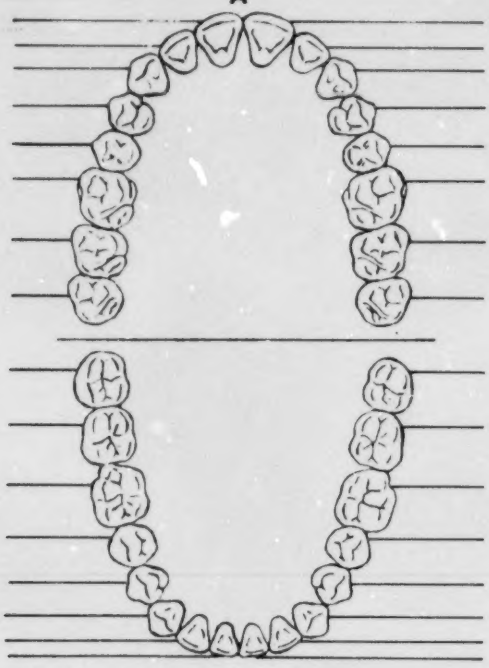
Diagram of Oral Cavity Showing Midline and Quadrants

1. Sketch the midline.
2. Label the quadrants.

Unit One
Learning Activity No. 4
Diagrams of Permanent and Primary Teeth

Directions: Label the *32* teeth on the permanent dentition drawing. Label the *20* teeth on the primary (deciduous) dentition drawing.

A



B

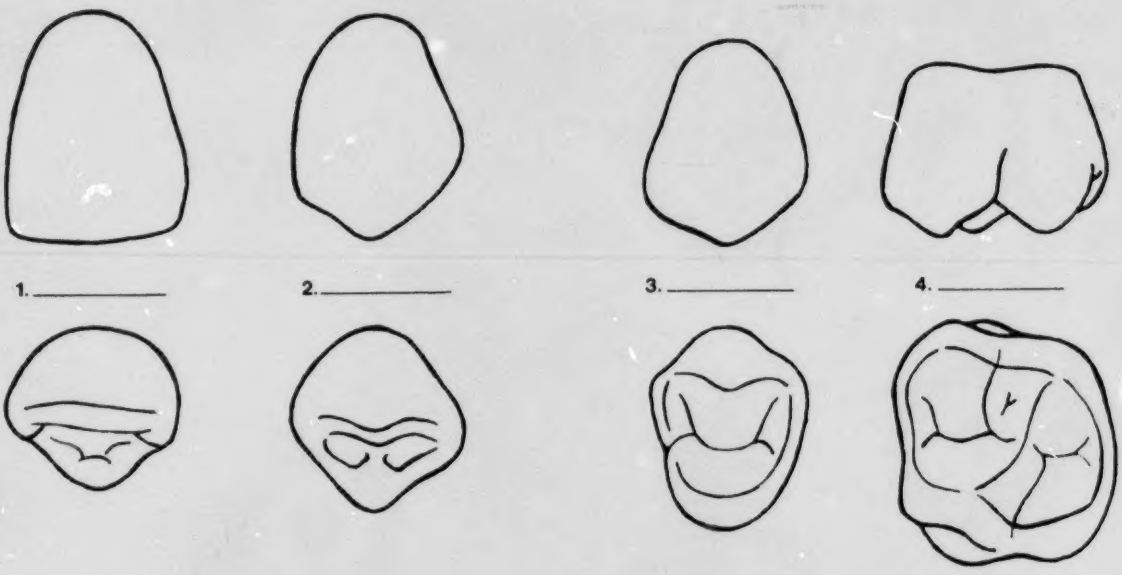
7

Unit One
Learning Activity No. 5
Types of Teeth

Directions: Humans eat many different kinds of food including both meat and plants. To be able to bite and chew this wide variety of foods, we have four different types of teeth. On each drawing, label the classification of each tooth.

Anterior Teeth

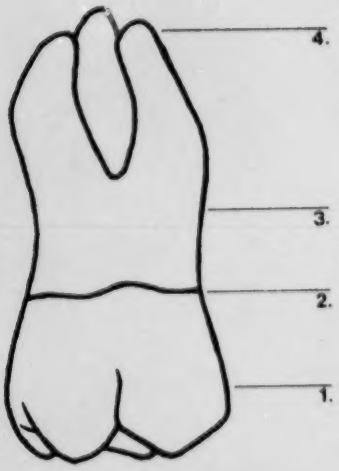
Posterior Teeth



1. _____ 2. _____ 3. _____ 4. _____

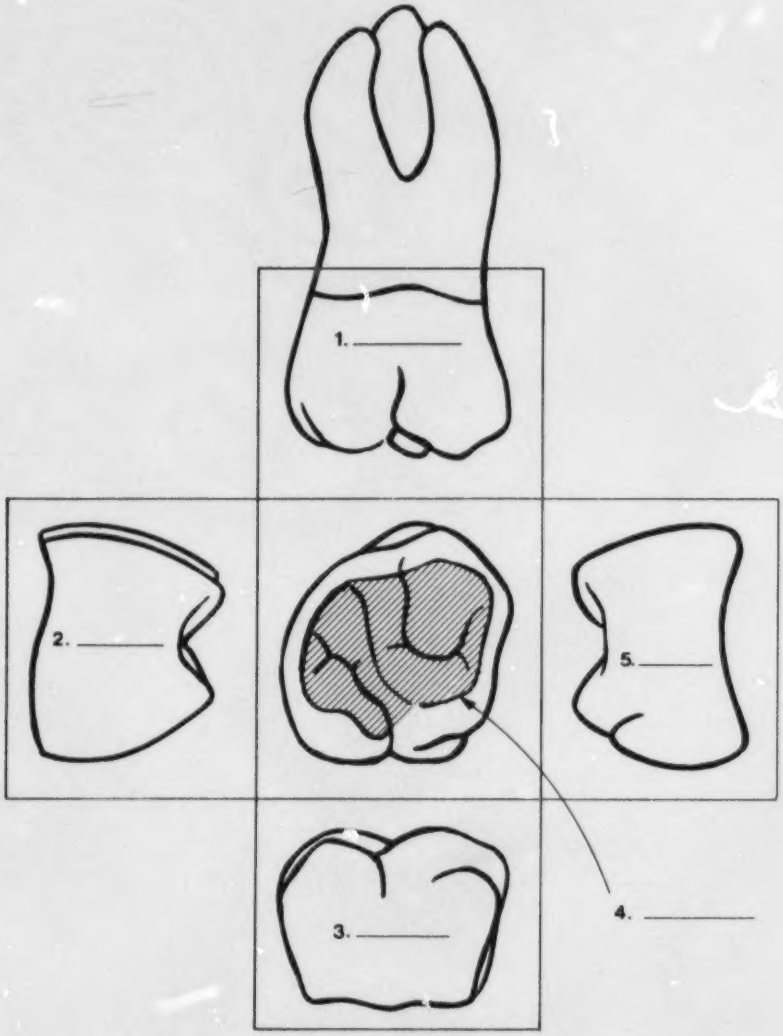
Unit One
Learning Activity No. 6
Parts of a Tooth

Directions: Label the parts of this tooth.



Unit One
Learning Activity No. 7
Surfaces of a Molar

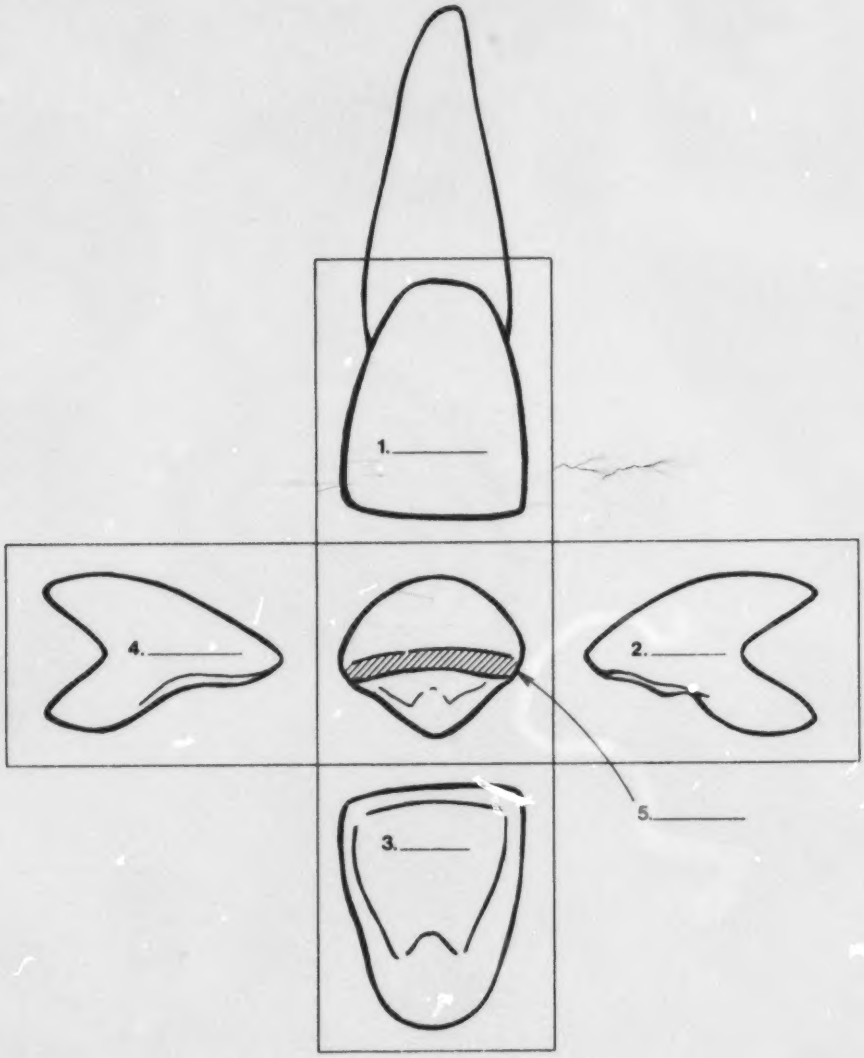
Directions: Label the surfaces of this tooth.



MAXILLARY LEFT PERMANENT
FIRST MOLAR

Unit One
Learning Activity No. 8
Surfaces of an Incisor

Directions: Label the surfaces of this tooth.



MAXILLARY RIGHT PERMANENT CENTRAL INCISOR

Unit One Test
Dental Anatomical Terminology

Match the terms with the phrases using letter answers.

a. anterior	1. toward the back	____ 1.
b. apical foramen	2. upper pair	____ 2.
c. cementum	3. thin layer of modified bone covering the dentin	____ 3.
d. dentition	4. mucous membrane lining the oral cavity	____ 4.
e. mandible	5. surface of tooth next to neighboring tooth	____ 5.
f. maxilla	6. all of the natural teeth in normal positions in the oral cavity	____ 6.
g. midline	7. toward the front	____ 7.
h. mucosa	8. fitting together of maxillary and mandibular teeth	____ 8.
i. occlusion	9. imaginary line drawn through the middle of the head and face dividing it into identical halves	____ 9.
j. posterior	10. hole for the passage of vessels or nerves at the apex of a tooth	____10.
k. proximal		

Complete the following statements.

11. There are no _____ teeth in the primary dentition. _____11.
12. The hardest tissue in the body covers the crown of the tooth and is called _____12.
13. The midline is an imaginary line drawn through the middle of the face and oral cavity. It helps to divide the teeth into four _____13.
14. Because the anterior teeth are next to the lips, the facial surface may also be referred to as the _____ surface. _____14.
15. The wrinkles or folds of tissue located on the hard palate just behind the anterior maxillary teeth are the _____15.
16. When an individual has teeth in position from both dentitions, they are said to be in the _____ dentition stage. _____16.
17. How many teeth are there in primary dentition? _____17.
18. Designed to last a lifetime, the _____ dentition has eight teeth per quadrant. _____18.
19. Teeth with a thin, sharp cutting edge that is used for cutting and biting are called _____19.
20. Teeth that have a broad chewing surface known as the occlusal surface are called _____ teeth. _____20.
21. The _____ forms the anterior of the roof of the mouth. It is made of bone covered with oral mucosa. _____21.
22. The primary teeth normally begin to erupt at about 6 months of age and are all in working position by the age of _____22.
23. The wrinklelike folds of soft tissue in the roof of the mouth are _____23.

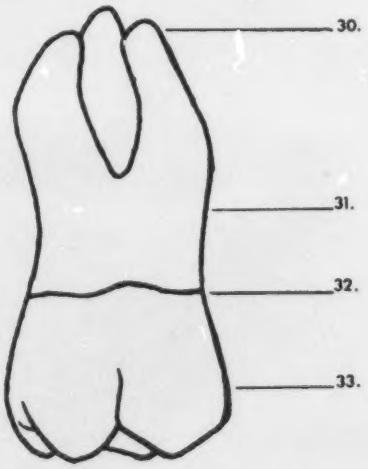
Matching: Match the surface of the tooth with the description. Place the correct letter in the space provided.

a. The proximal surface that is toward the midline.
b. An imaginary line that divides the face into two equal parts.
c. The broad chewing surface of the posterior teeth.
d. Toward the lips or cheeks.
e. Refers to the tongue, or toward the tongue.
f. The proximal surface that is away from the midline.
g. The cutting edge of an anterior tooth.

____24. lingual
____25. mesial
____26. incisal edge
____27. distal
____28. occlusal
____29. facial

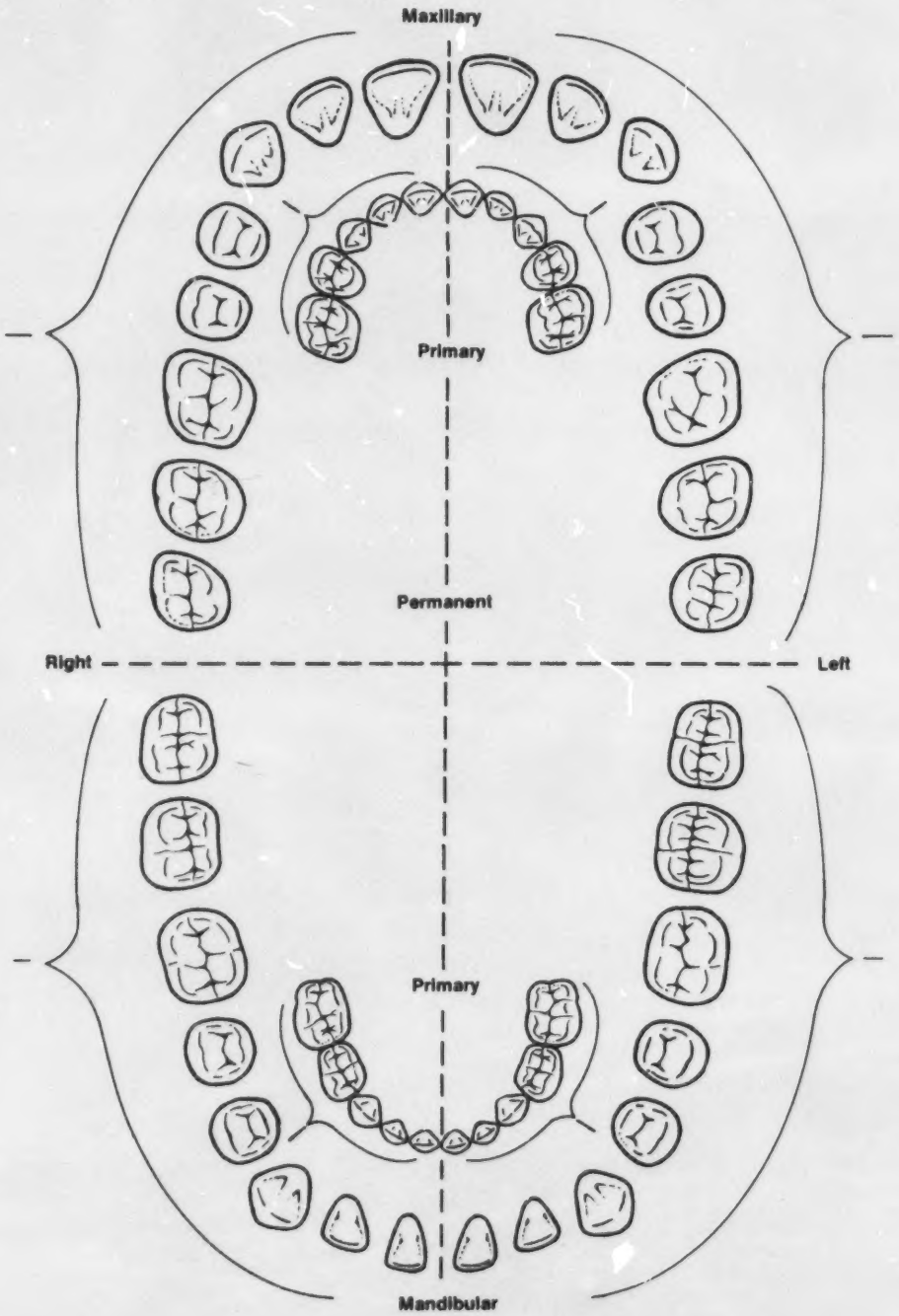
Identify: Please identify the parts of this tooth.

_____30.
_____31.
_____32.
_____33.



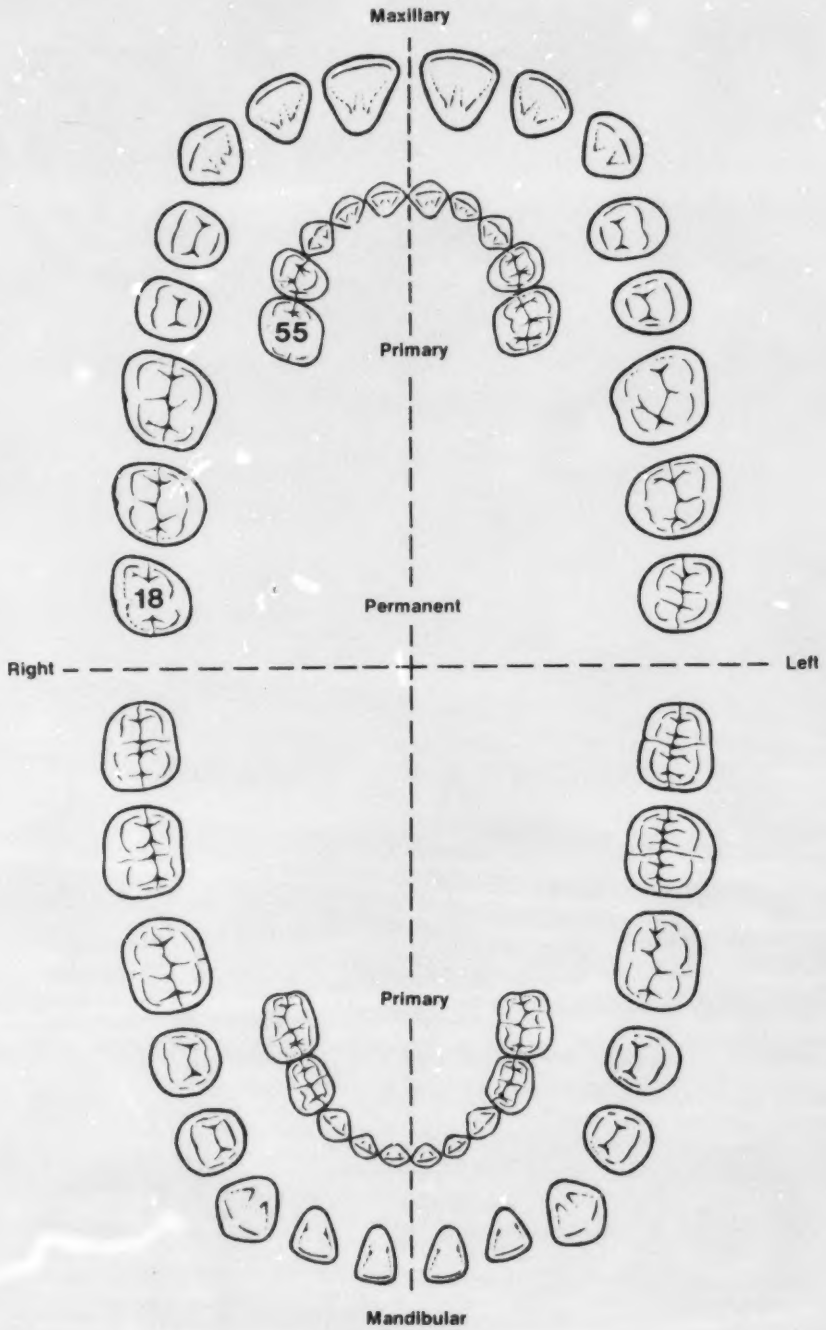
Unit Two
Learning Activity No. 1
Numbering Quadrants Using the International Tooth Numbering System

Directions: Using the International Tooth Numbering System, number the quadrants for the permanent and primary dentitions.



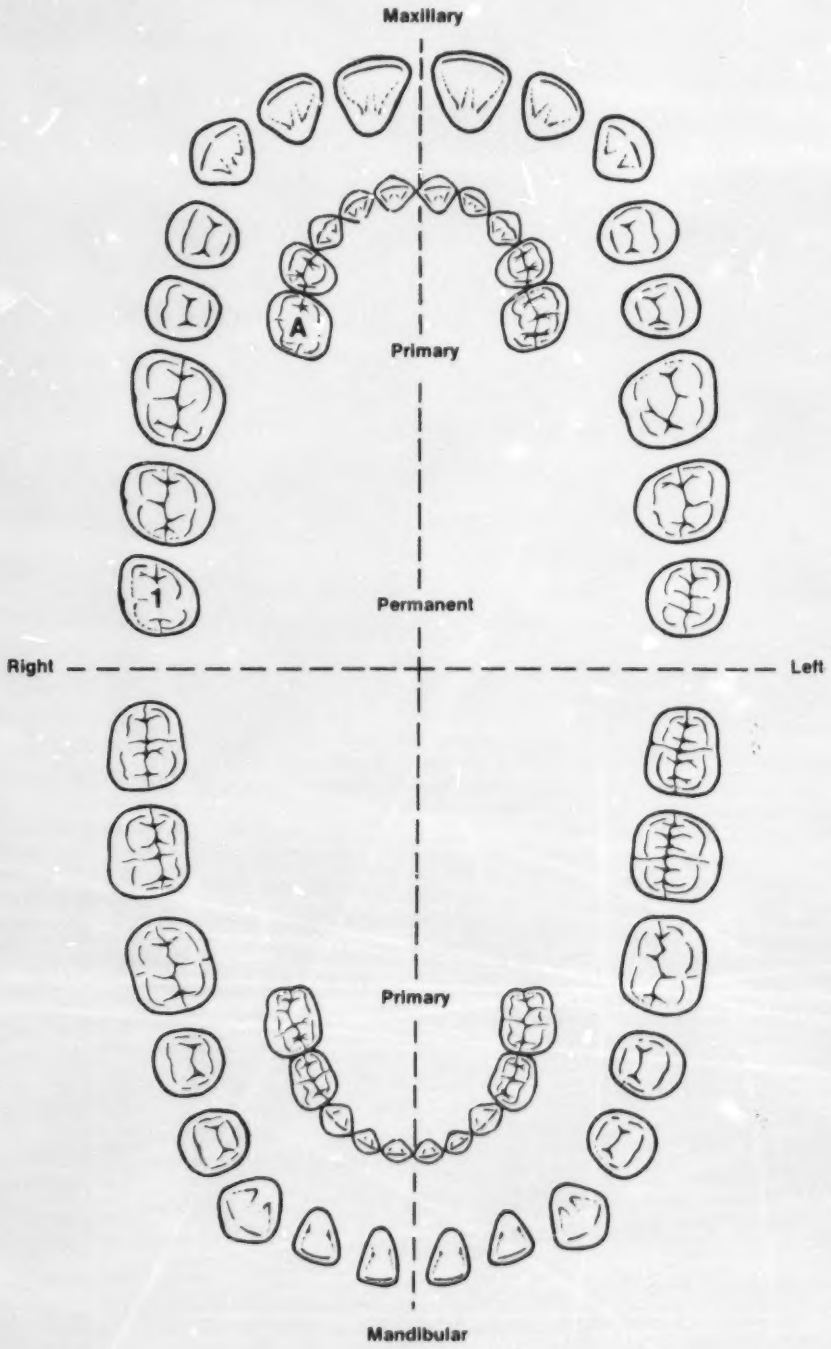
Unit Two
Learning Activity No. 2
Using the International Tooth Numbering System

Directions: Number the permanent and primary dentitions in the following diagram. One tooth in each dentition has been done for you.



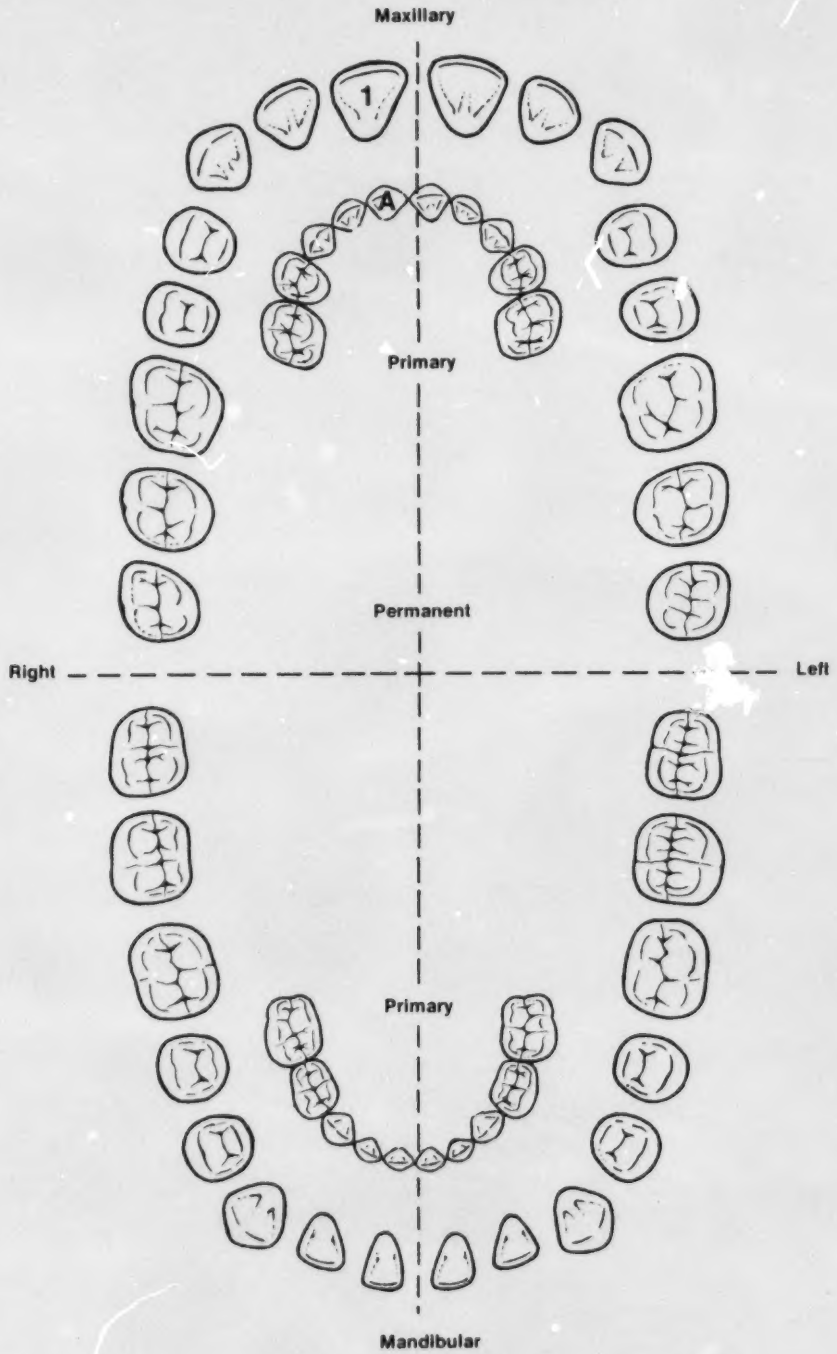
Unit Two
Learning Activity No. 3
Using the Universal Tooth Numbering System

Directions: Using the Universal Tooth Numbering System, label the permanent and primary dentitions in this drawing. One tooth has been done for you.



Unit Two
Learning Activity No. 4
Using the Symbolic Tooth Numbering System

Directions: Using the Symbolic Tooth Numbering System, label the permanent and primary dentitions in this drawing. One tooth has been done for you.



Unit Two
Learning Activity No. 5
Diagramming Teeth Using the Symbolic Tooth Numbering System

Directions: Using the Symbolic Numbering System, diagram the permanent and the primary teeth listed.

Diagram the following *permanent teeth*.

1. maxillary right central–1⌋
2. mandibular left central–
3. mandibular right central–
4. maxillary left lateral–
5. maxillary right third molar–
6. mandibular left second bicuspid (premolar)–

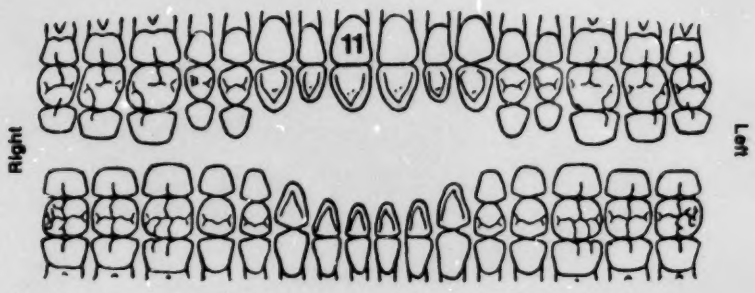
Diagram the following *primary teeth*.

1. maxillary right central–A⌋
2. mandibular right cuspid–
3. mandibular left first molar–
4. maxillary left lateral–
5. maxillary right second molar–
6. mandibular left lateral–

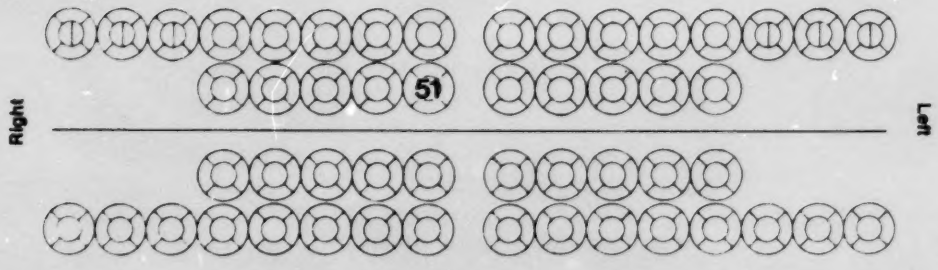
Unit Two
Learning Activity No. 6
Use of Dental Diagrams and the International Tooth Numbering System

Directions: Using the International Tooth Numbering System, number the permanent dentition of the *anatomic* dental chart. Then number the primary dentition of the *geometric* dental chart. One tooth in each chart has been done for you.

Anatomic



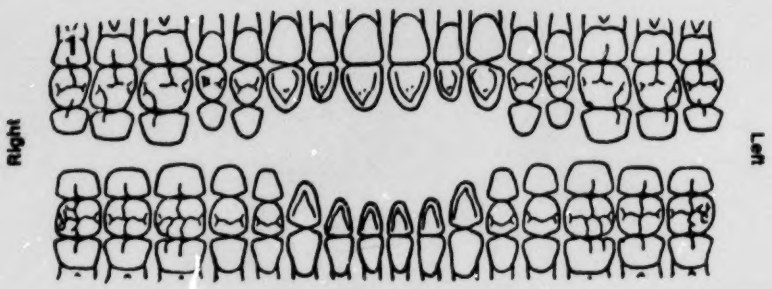
Geometric



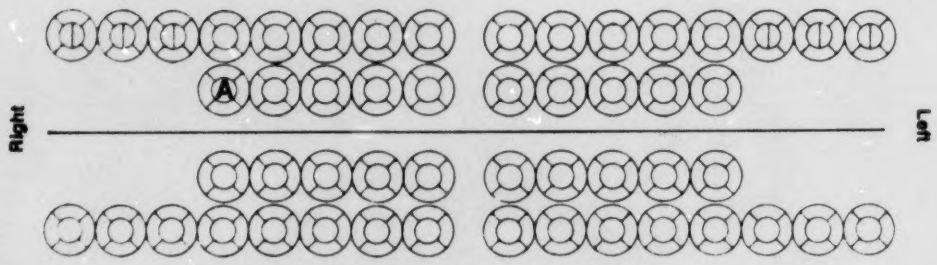
Unit Two
Learning Activity No. 7
Use of Dental Diagrams and the Universal Tooth Numbering System

Directions: Using the Universal Tooth Numbering System, number the permanent dentition of the *anatomic* dental chart. Then number the primary dentition of the *geometric* dental chart. One tooth in each chart has been done for you.

Anatomic

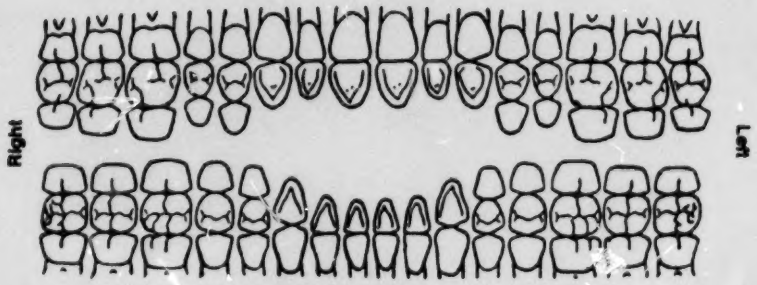


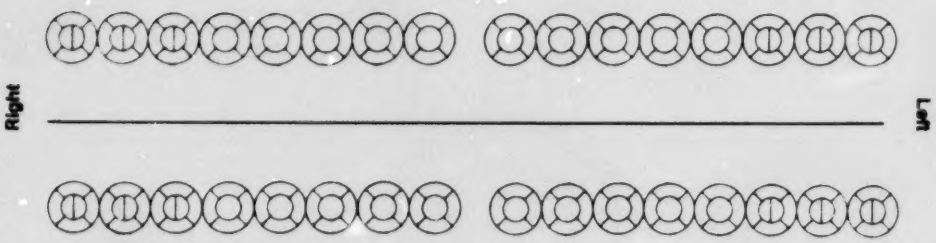
Geometric



Unit Two
Learning Activity No. 8
Labeling the Buccal Surfaces of Teeth

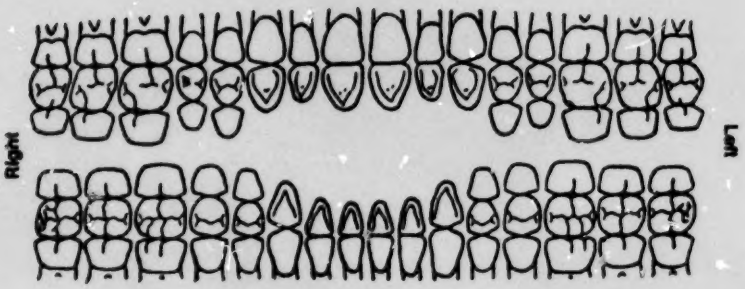
Directions: On the following anatomic and geometric dental charts, shade in the buccal surfaces.

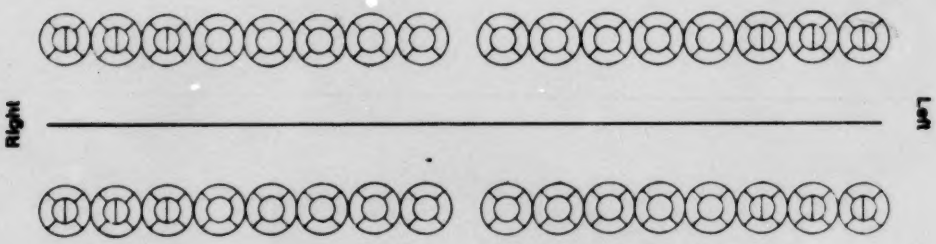




Unit Two
Learning Activity No. 9
Labeling the Occlusal Surfaces of Teeth

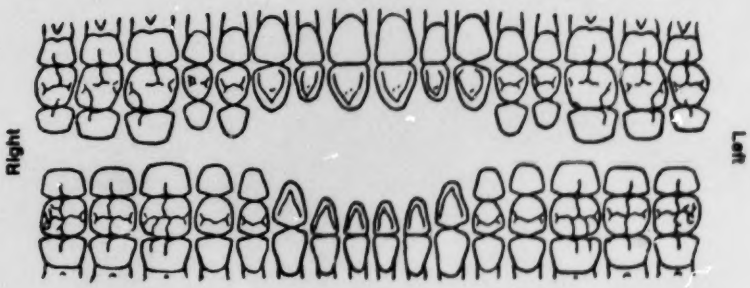
Directions: On the following anatomic and geometric dental charts, shade in the occlusal surfaces.

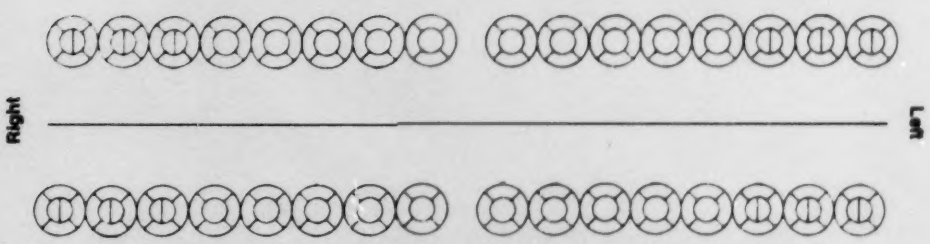




Unit Two
Learning Activity No. 10
Labeling the Labial Surfaces of Teeth

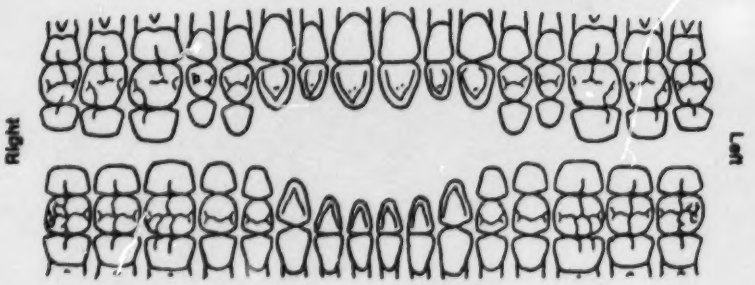
Directions: On the following anatomic and geometric dental charts, shade in the labial surfaces.

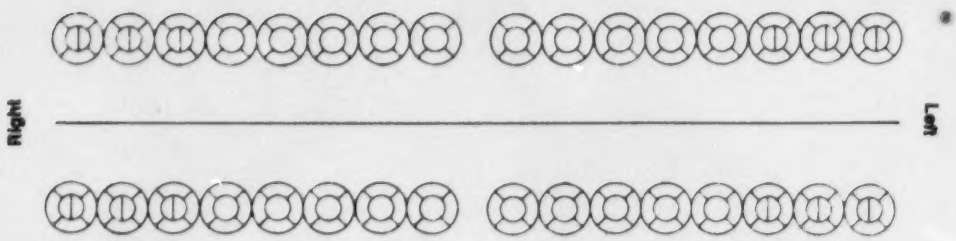




Unit Two
Learning Activity No. 11
Labeling the Incisal Surfaces of Teeth

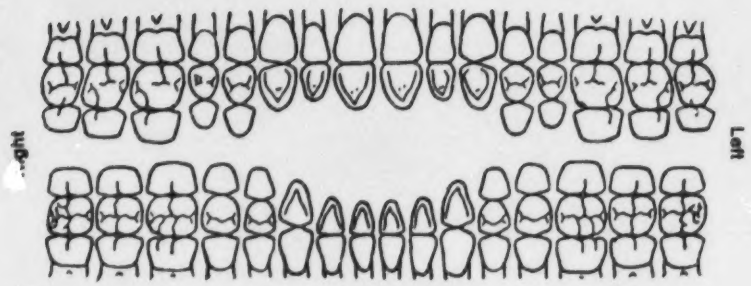
Directions: On the following anatomic and geometric dental charts, shade in the incisal tooth surfaces.

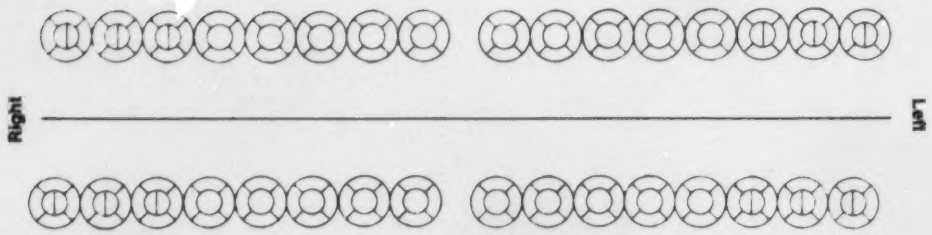




Unit Two
Learning Activity No. 12
Labeling the Lingual Surfaces of Teeth

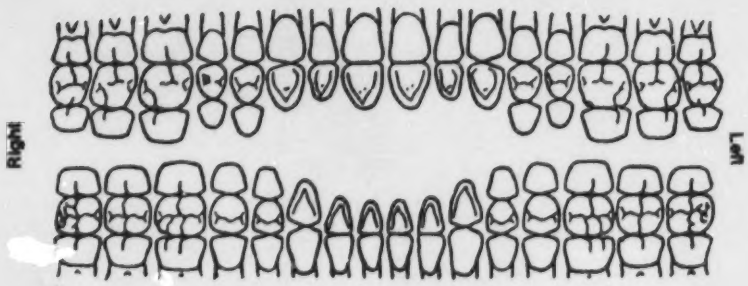
Directions: On the following anatomic and geometric dental charts, shade in the lingual tooth surfaces.

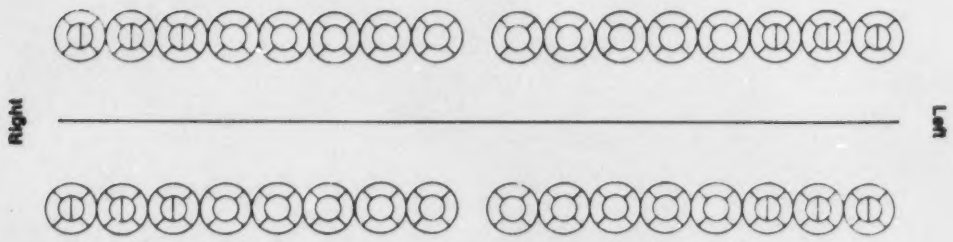




Unit Two
Learning Activity No. 13
Labeling Mesial and Distal Surfaces of Teeth

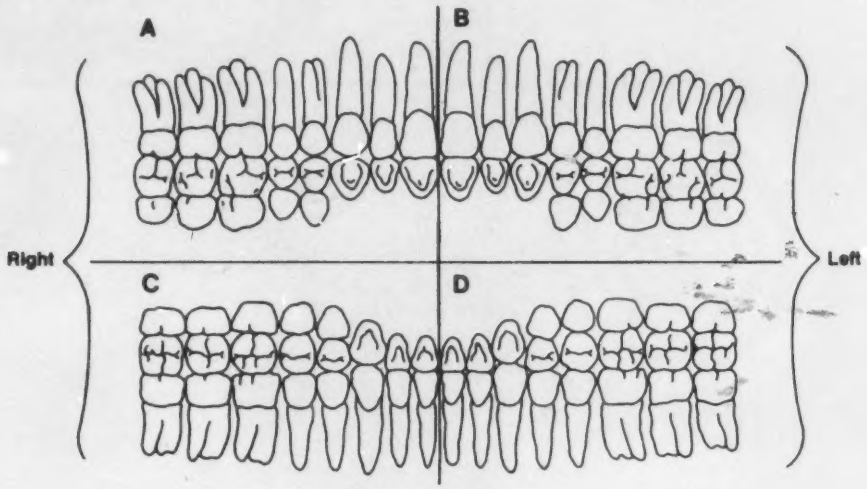
Directions: On the following anatomic and geometric dental charts, shade in the mesial surface on the maxillae and the distal surface on the mandibles.





Unit Two Test
Tooth Numbering Systems

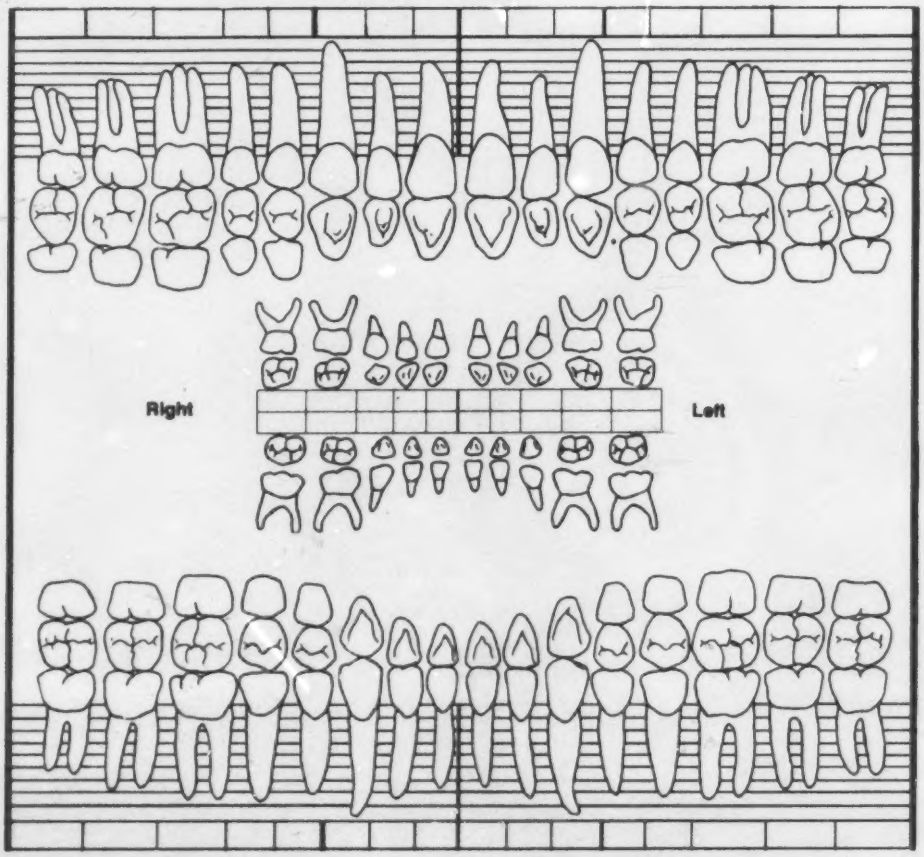
1. List the four quadrants in the diagram of the dental arches.



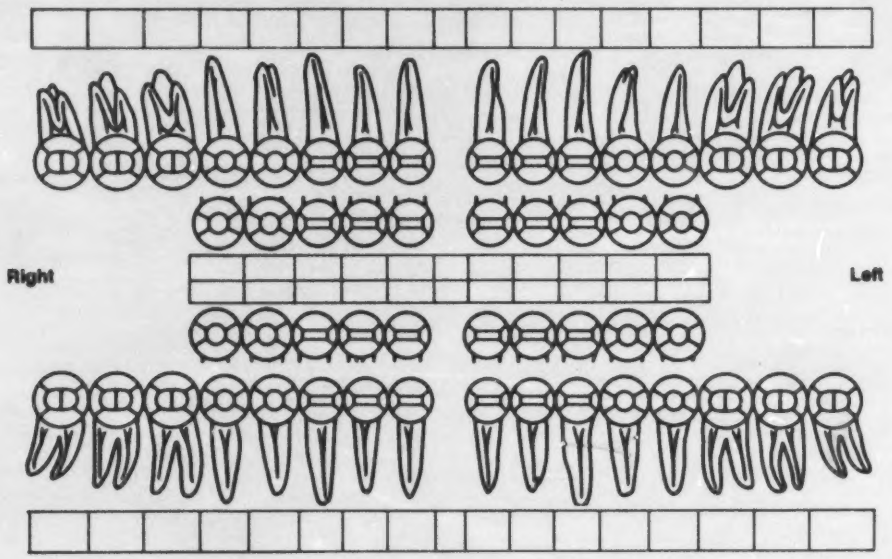
A _____ C _____

B _____ D _____

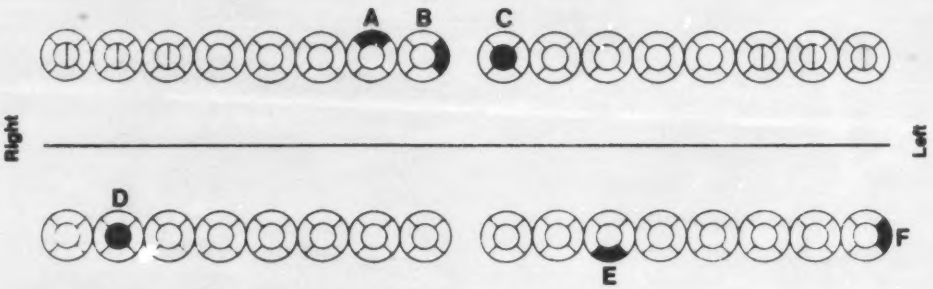
2. Using the International Tooth Numbering System, label the *primary dentition*. (Space is provided above or below each tooth.)

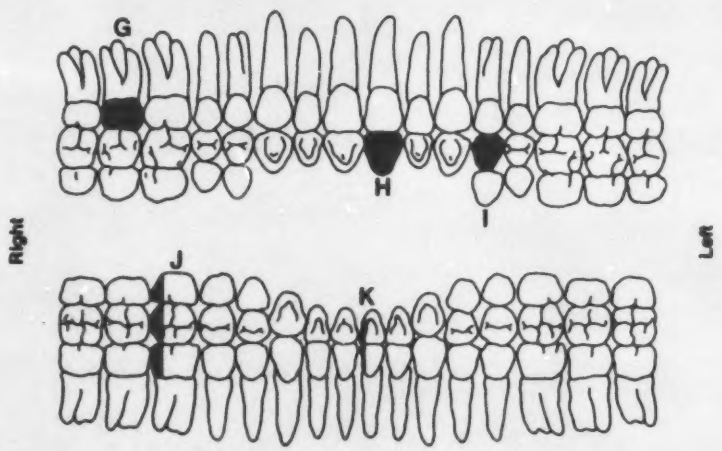


3. Using the Universal Tooth Numbering System, label the *primary dentition.* (Space is provided above or below each tooth.)



4. Identify the tooth surfaces that have been shaded.





(Place answers in blanks on the following page.)

4.

A_____
B_____
C_____
D_____
E_____
F_____

G_____
H_____
I_____
J_____
K_____

5. Using the Symbolic (Palmer) Tooth Numbering System, diagram the following teeth:

Permanent Dentition

A. maxillary right first molar–
B. maxillary left second bicuspid (premolar)–
C. mandibular right central–
D. mandibular left third molar–
E. mandibular right first bicuspid (premolar)–
F. maxillary left cuspid–

Primary Dentition

A. maxillary right central–
B. mandibular left cuspid–
C. mandibular right second molar–
D. maxillary left first molar–
E. mandibular left lateral–
F. maxillary left central–

6. Give the number for the following permanent dentition teeth using the International Tooth Numbering System.

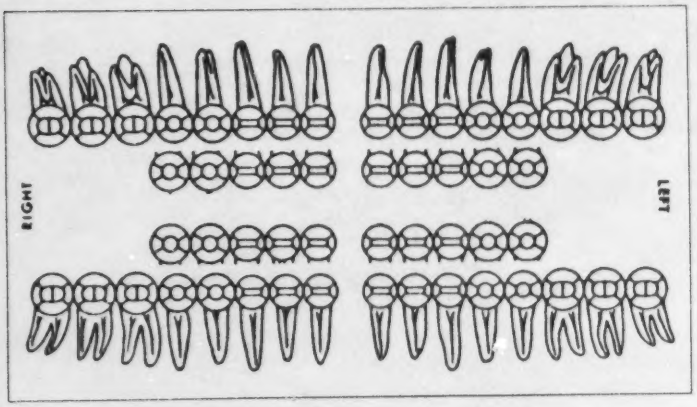
A. maxillary right central–_____A
B. mandibular left third molar–_____B
C. mandibular right first bicuspid (premolar)–_____C
D. maxillary left first molar–_____D
E. maxillary right second bicuspid (premolar)–_____E
F. mandibular left lateral–_____F
G. maxillary left cuspid–_____G
H. mandibular right first molar–_____H

7. Give the number for the following permanent dentition teeth using the Universal Tooth Numbering System.

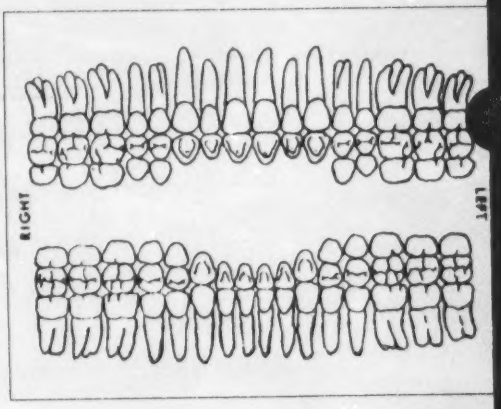
A. maxillary right central–_____A
B. mandibular left third molar–_____B
C. mandibular right first bicuspid (premolar)–_____C
D. maxillary left first molar–_____D
E. maxillary right second bicuspid (premolar)–_____E
F. mandibular left lateral–_____F
G. maxillary left cuspid–_____G
H. mandibular right first molar–_____H

8. Identify the two types of dental diagrams used in charting.

A



B



A_____

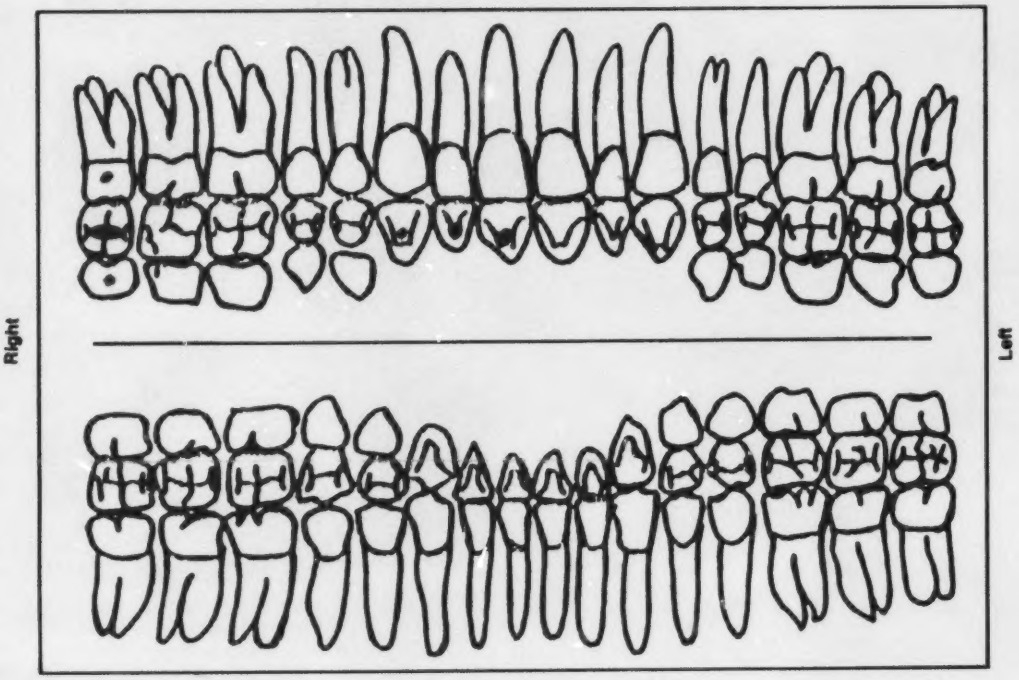
B_____

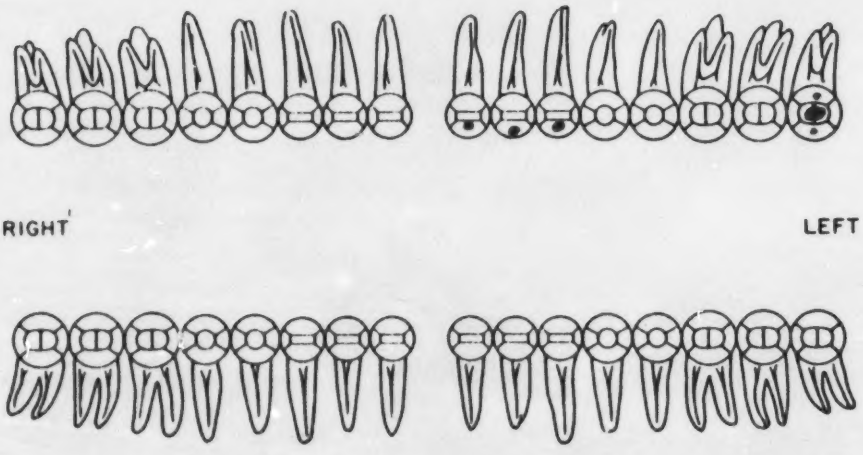
Unit Three

Learning Activity No. 1

Identification of Class I Cavities or Restorations

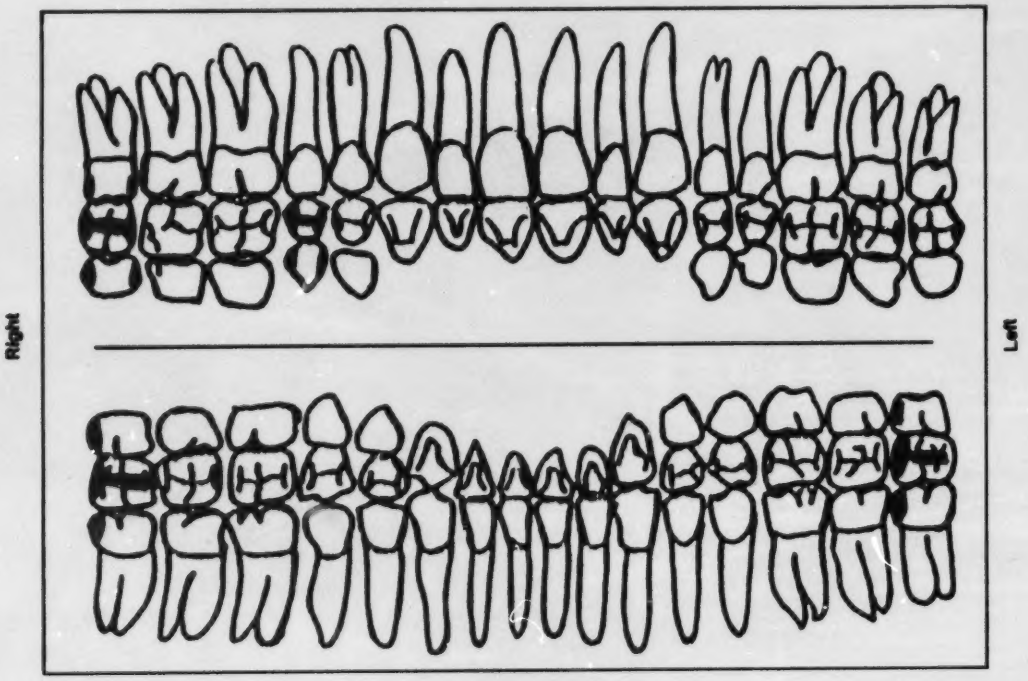
Directions: With a blue or ordinary pencil, outline and shade in all areas classified as a Class I cavity or restoration. Refer to figs. 1, 2, and 3 for assistance. An example has been given.

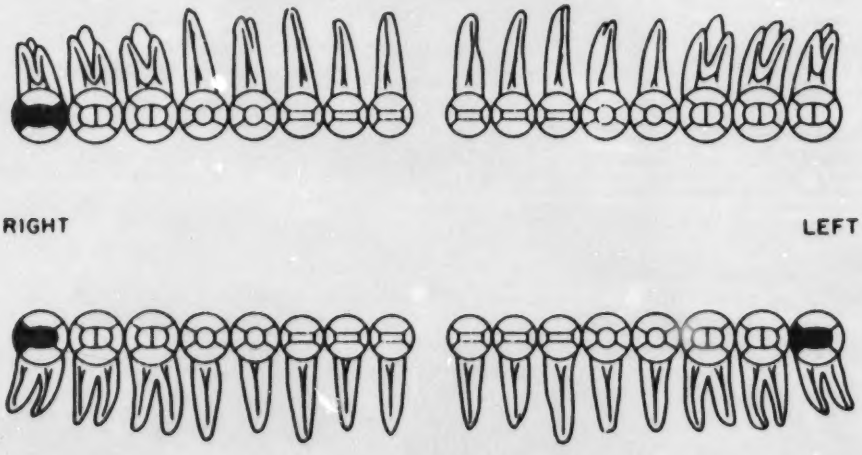




Unit Three
Learning Activity No. 2
Identification of Class II Cavities and Restorations

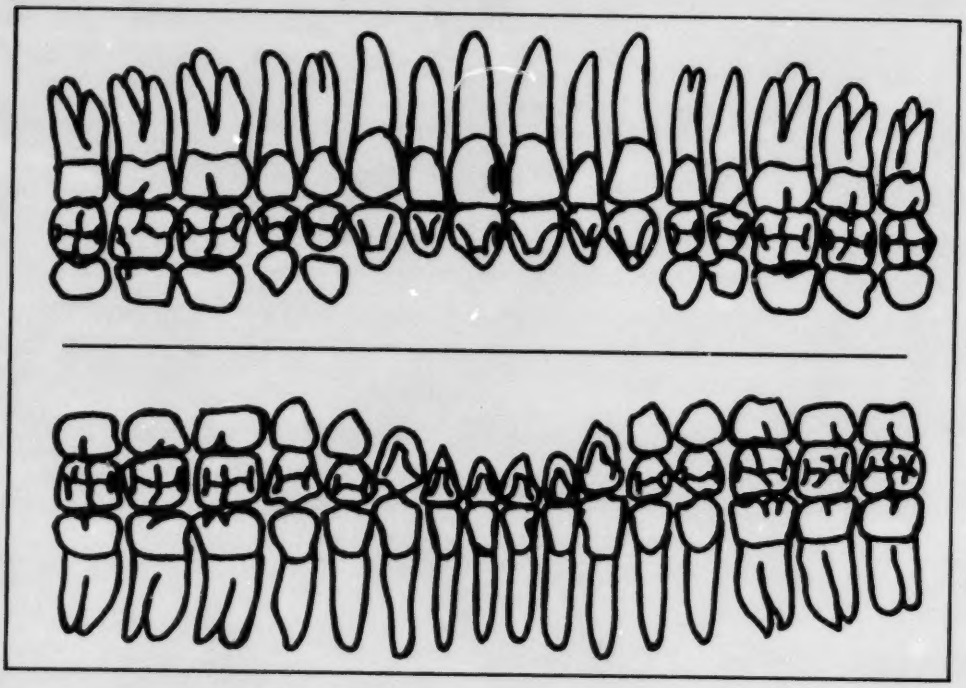
Directions: With a blue or ordinary pencil, outline and shade in all areas considered as Class II cavities or restorations. On the maxillary arches, outline three surface Class IIs (MOD). On the mandibular arches, outline two surfaces (right quadrant—DO; left quadrant—MO). Refer to figure 4 for assistance. Examples have been given.

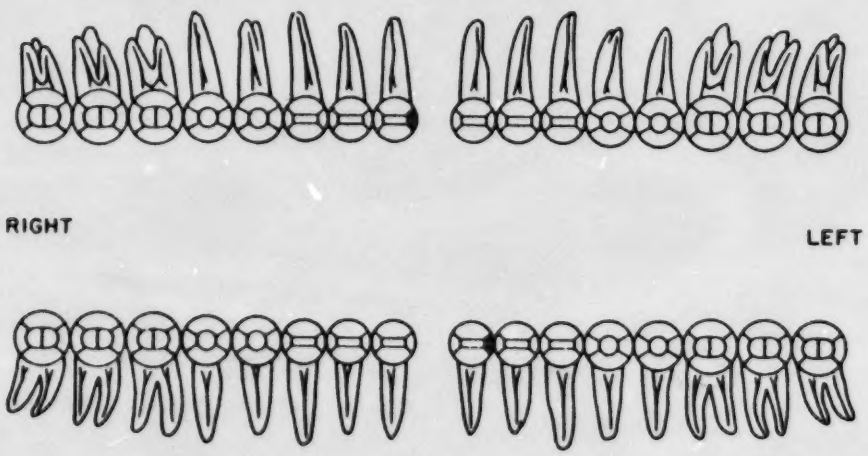




Unit Three
Learning Activity No. 3
Identification of Class III Cavities and Restorations

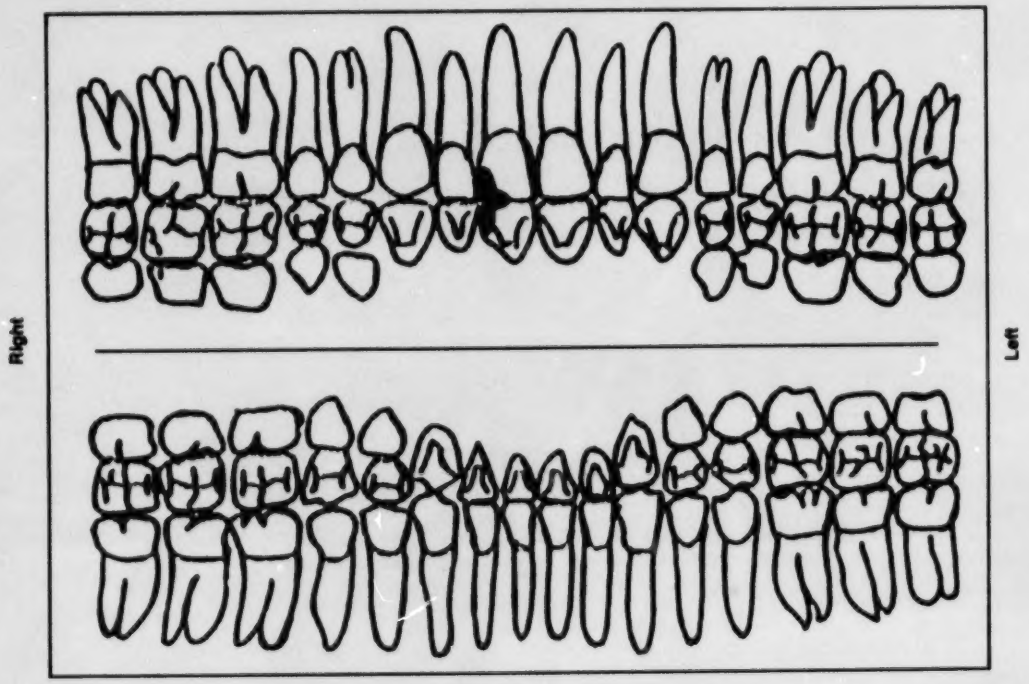
Directions: With a blue or ordinary pencil, outline and shade in all areas classified as Class III cavities or restorations (maxillary arches—mesial; mandibular arches—distal). Refer to figures 5A and 5B for assistance.

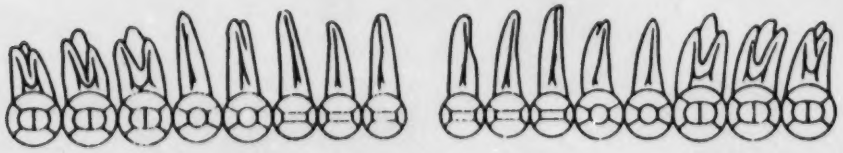




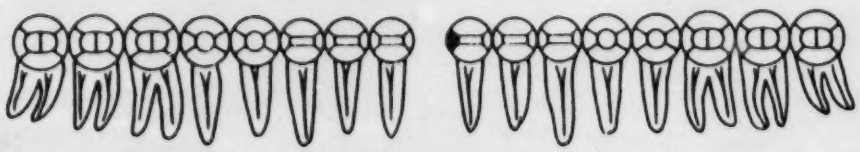
Unit Three
Learning Activity No. 4
Identification of Class IV Cavities and Restorations

Directions: With a blue or ordinary pencil, outline and shade in all areas classified as Class IV cavity or restorations (maxillary arches—distal; mandibular arches—mesial). Refer to figure 6 for assistance. An example has been given.



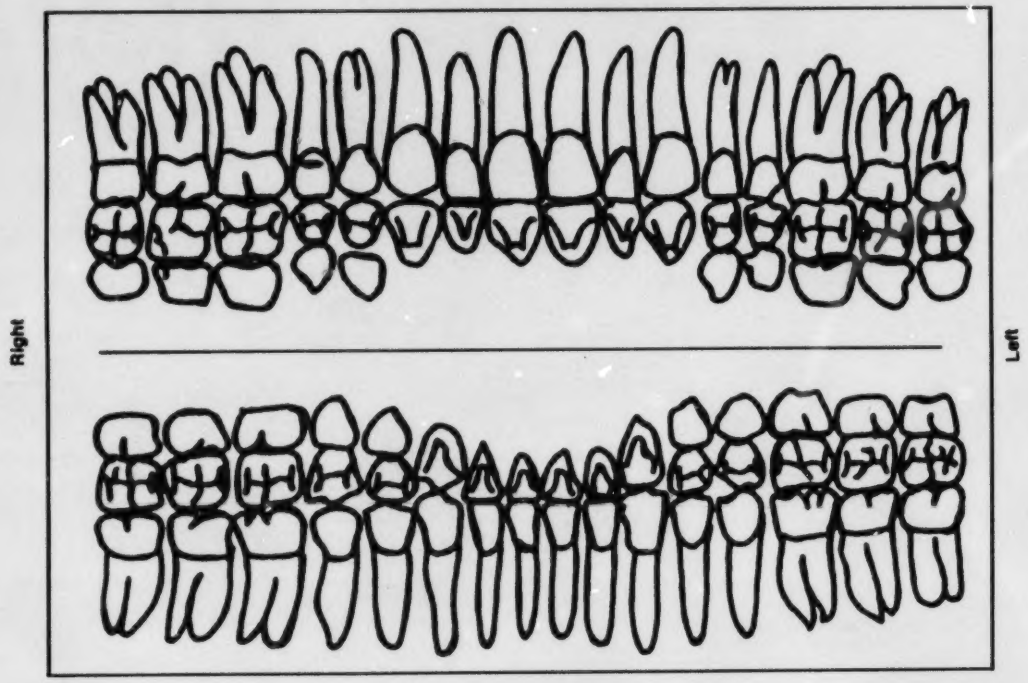


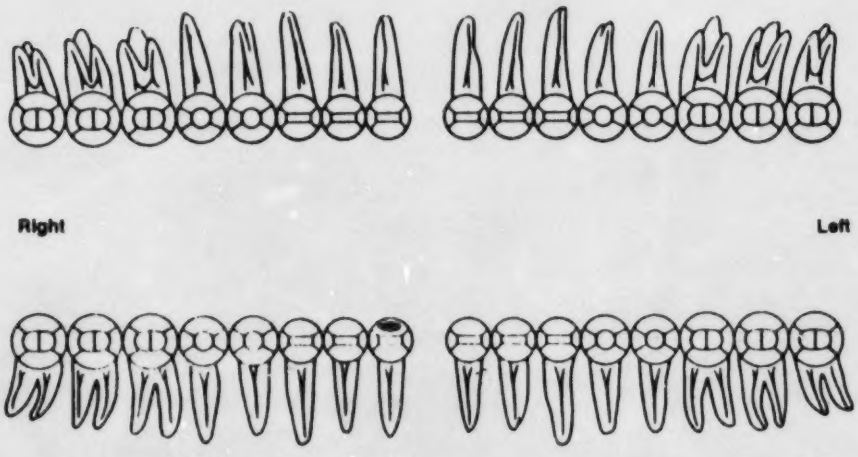
Right Left



Unit Three
Learning Activity No. 5
Identification of Class V Cavities and Restorations

Directions: With a blue or ordinary pencil, outline and shade in all areas that would be considered a Class V cavity or restoration. Refer to figure 7 for assistance. An example is given.





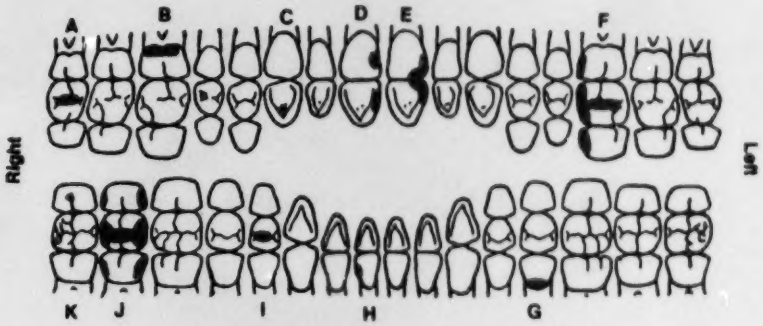
Unit Three
Learning Activity No. 6
Classification of Cavities/Restorations Using Written Definitions

Directions: Write the cavity/restoration classifications for the following definitions:

1. Cavities or restorations that involve the occlusal surface of posterior teeth. _____1.
2. Cavities or restorations near the gingival line of the facial and lingual surfaces of all teeth. _____2.
3. Cavities or restorations that involve the occlusal surface and one proximal surface of posterior teeth. _____3.
4. Cavities or restorations that involve the pits or grooves on the lingual surface of molars. _____4.
5. Cavities or restorations on the proximal surfaces of anterior teeth involving the incisal angle. _____5.
6. Cavities or restorations that involve the occlusal surface and both proximal surfaces of posterior teeth. _____6.
7. Cavities or restorations that involve the proximal surface of anterior teeth but not the incisal angle. _____7.
8. Cavities or restorations that involve the pit on the lingual surface of maxillary incisors. _____8.

Unit Three
Learning Activity No. 7
Identification of Teeth and Classification of Cavities/Restorations

Directions: Cavity/restoration classifications have been diagrammed on this drawing. Using the International Tooth Numbering System, give the tooth number and the cavity/restoration classification. (Refer to figures in manual if necessary.) Begin with the maxillary right.

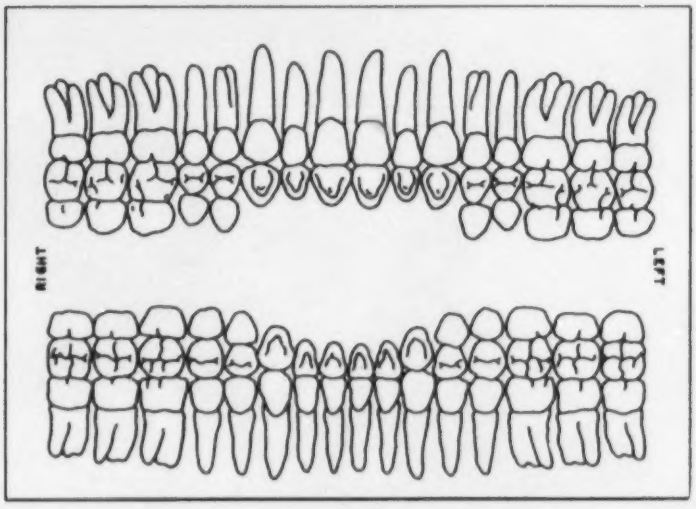


Tooth #	Classification
A.____	____
B.____	____
C.____	____
D.____	____
E.____	____
F.____	____
G.____	____
H.____	____
I.____	____
J.____	____
K.____	____

Unit Three
Learning Activity No. 8
Charting Dental Conditions

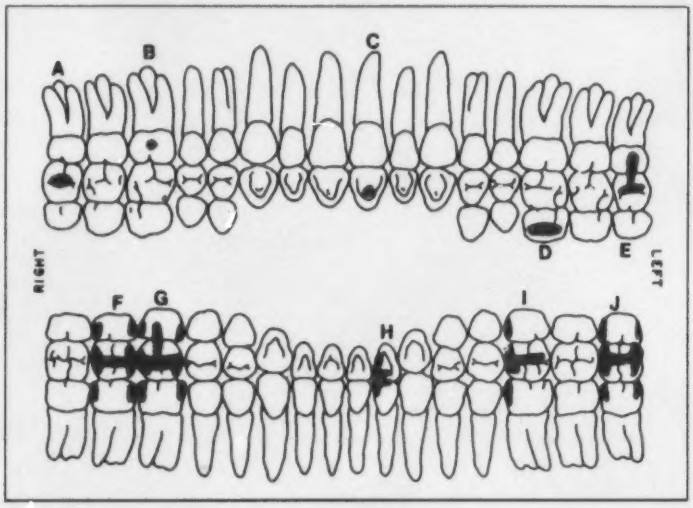
Directions: This learning activity is designed to be dictated. You need to learn to complete a chart from dictation. This is because, in the dental office, the patient's condition is dictated during the examination. If dictation or a recording is not possible, complete the activity by reading the following conditions. Using a blue or ordinary pencil, outline and shade in the following:

A. Class II–MOs on the maxillary right quadrant
B. Class II–DOs on the maxillary left quadrant
C. Class II–MODs on the mandibular right quadrant
D. Class I–OBs on the mandibular left quadrant



Unit Three
Learning Activity No. 9
Classification of Cavities/Restorations

Directions: Classify each of the cavities/restorations shown on the dental chart as simple, compound, or complex. Use the lettered blank spaces for your answers.



A._____
B._____
C._____
D._____
E._____

F._____
G._____
H._____
I._____
J._____

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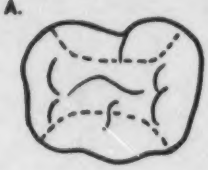
Unit Three Test
Classification of Caries and Restorations

1. What class of cavity or restoration is shown on each of the following diagrams:

A.

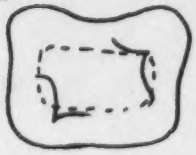


Molar—each proximal surface _____A.

B.

Molar—buccal or lingual _____B.

C.



Molar _____C.

2. Give the cavity/restoration classification for each of the following definitions:

A. Cavities or restorations on the proximal surfaces of the anterior teeth, not involving the incisal angle. _____A.

B. Cavities or restorations that involve the pits or grooves on the buccal or lingual surfaces of molars. _____B.

C. Cavities or restorations on the occlusal surface of posterior teeth. _____C.

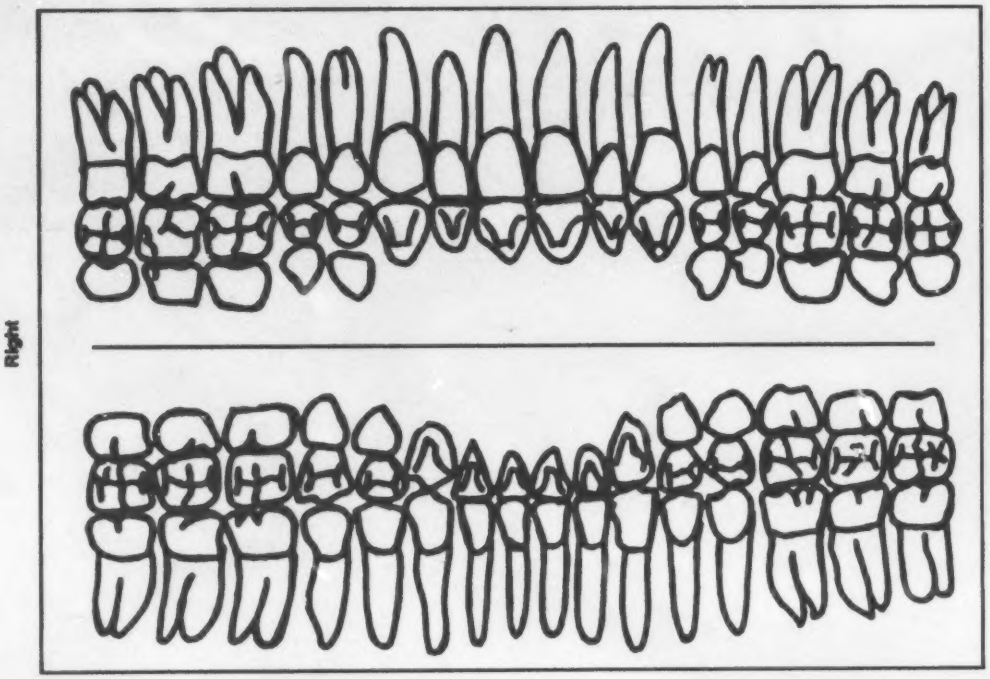
D. Cavities or restorations near the gingival line of the facial and lingual surfaces of teeth. _____D.

E. Cavities or restorations that involve the pit on the lingual surface of the maxillary incisors. _____E.

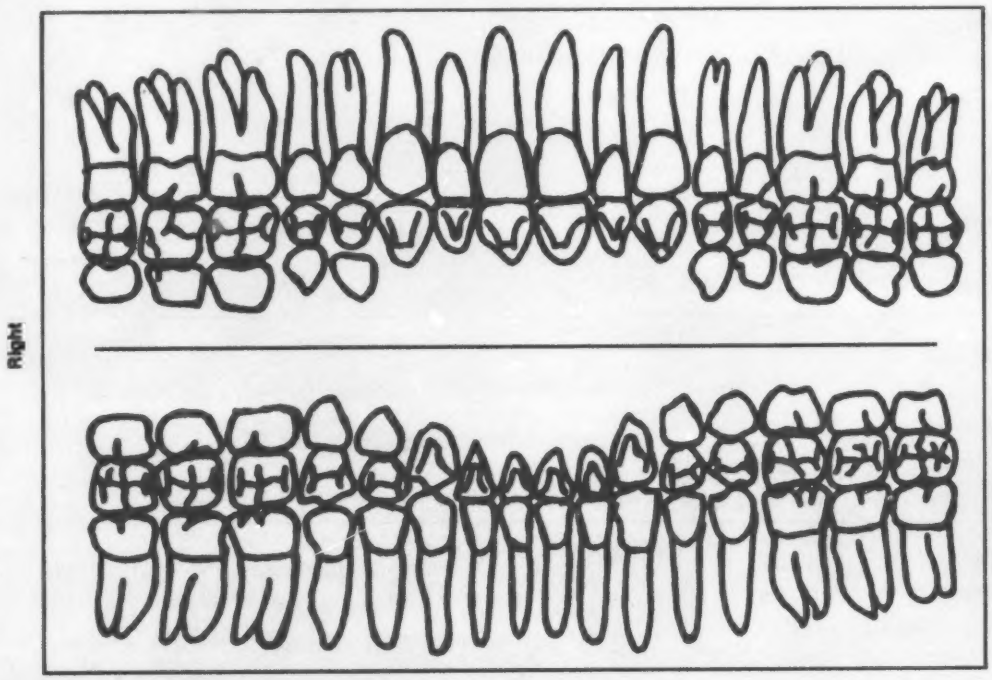
F. Cavities or restorations on the proximal surfaces of anterior teeth, involving the incisal angle. _____F.

G. Cavities or restorations that involve the occlusal surface and one or both proximal surfaces of posterior teeth. _____G.

3. Shade in all areas that would be classified as Class III restorations.

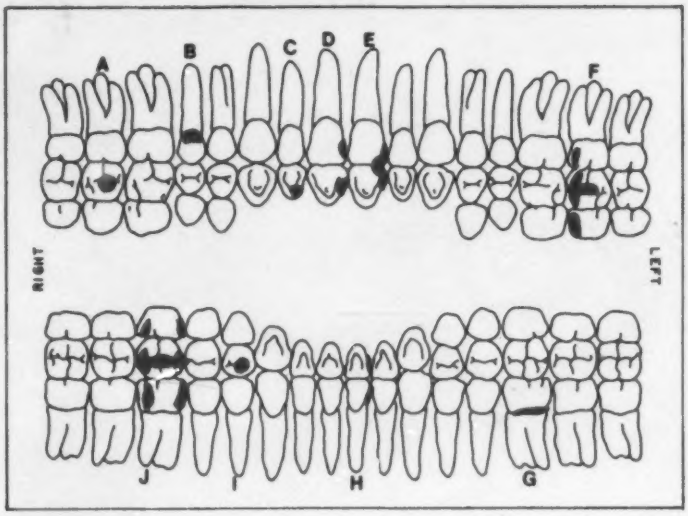


4. Shade in all areas that would be classified as Class II restorations.



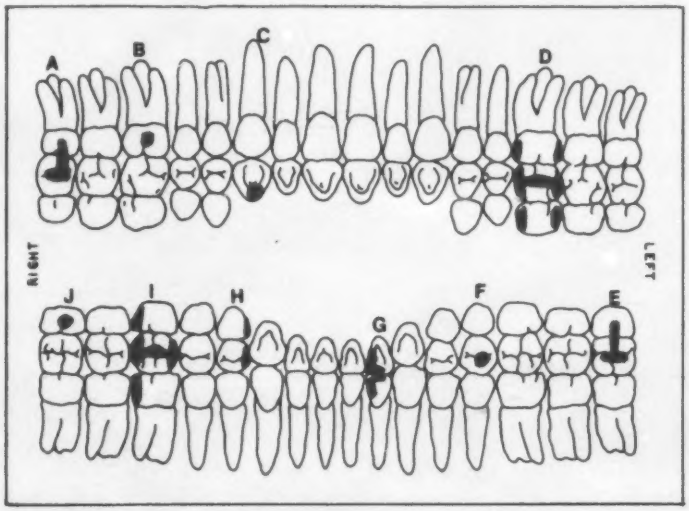
5. Using the International Tooth Numbering System, give the tooth number and the cavity/restoration classification for each tooth shown in the diagram.

	Tooth #	Classification
A.	____	____
B.	____	____
C.	____	____
D.	____	____
E.	____	____
F.	____	____
G.	____	____
H.	____	____
I.	____	____
J.	____	____



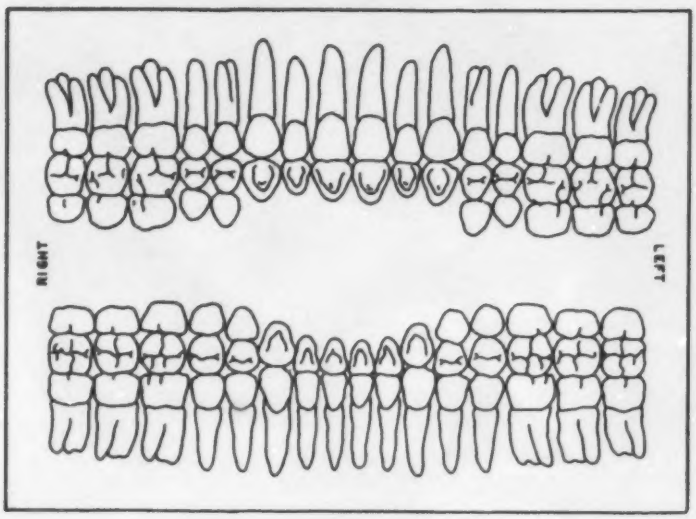
6. Classify each of the cavities/restorations shown on the dental chart as simple, compound, or complex. Use the lettered spaces for your answers.

A._____
B._____
C._____
D._____
E._____
F._____
G._____
H._____
I._____
J._____



7. This question is designed to be dictated. If dictation or recording is not possible, complete the activity by reading the following conditions. Outline and shade in the following:

A. Class I–OBs on the mandibular left quadrant
B. Class II–DOs on the maxillary left quadrant
C. Class II–MOs on the maxillary right quadrant
D. MODs on the mandibular right quadrant



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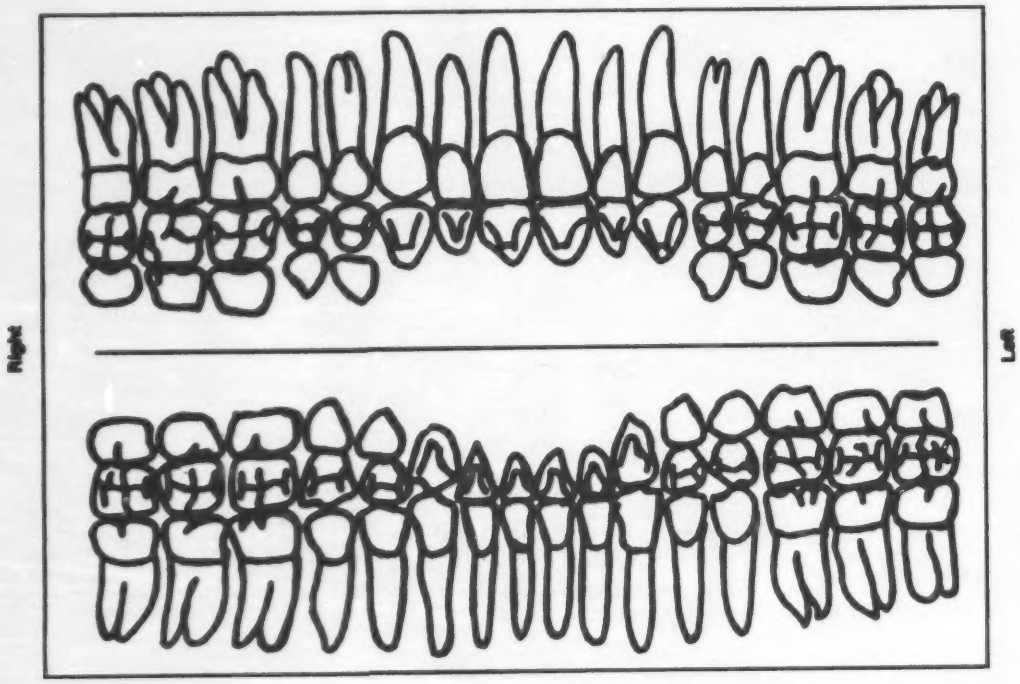
Unit Four
Learning Activity No. 1
Use of Charting Symbols on an Anatomic Diagram

Directions: Using the anatomic diagram, chart the following conditions using symbols:

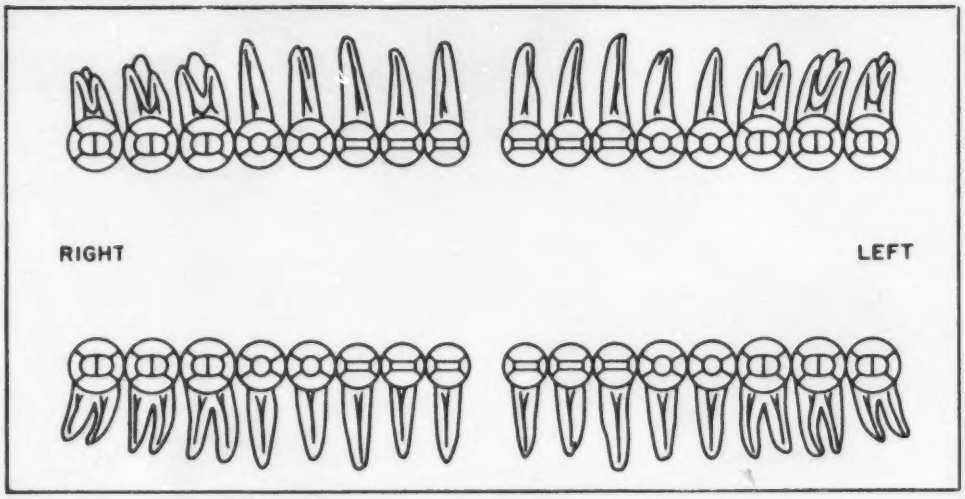
–maxillary right third molar is impacted
–maxillary right second molar is missing
–maxillary right first molar has an MOD amalgam
–maxillary left first molar has occlusal caries
–maxillary left second molar has a DO amalgam
–maxillary left third molar needs to be extracted



Unit Four
Learning Activity No. 2
Use of Charting Symbols on a Geometric Diagram

Directions: Using the geometric diagram, chart the following conditions using symbols:

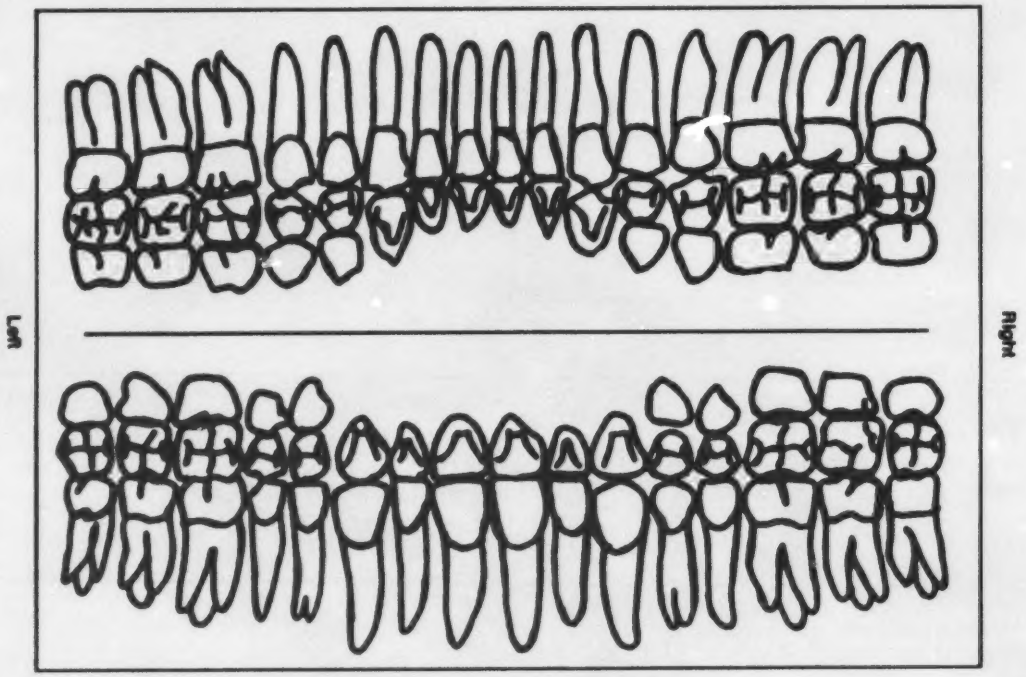
- –mandibular right second bicuspid has a full gold crown
- –mandibular right cuspid has Class III caries on the distal
- –mandibular left central has a Class IV composite on the mesial
- –mandibular left cuspid has a ¾ gold crown
- –mandibular left first molar has an MOD gold inlay
- –mandibular left third molar has an occlusal amalgam with recurrent caries



Unit Four
Learning Activity No. 3
Use of Charting Symbols on an Anatomic Diagram

Directions: Using the anatomic diagram, chart the following conditions:

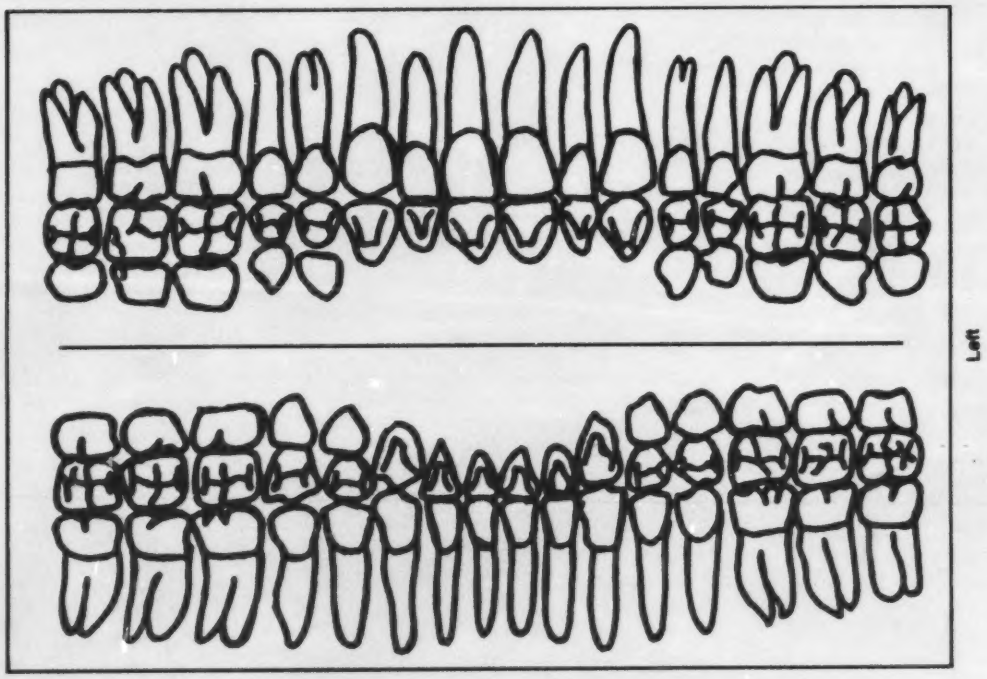
–maxillary right second molar has a full gold crown
–maxillary right first molar is missing
–maxillary right second bicuspid is missing
–maxillary right first bicuspid has a porcelain-faced gold crown
–maxillary right second molar and first bicuspid are abutments for a bridge replacing the first molar and second bicuspid
–maxillary right central has had a root canal (endodontics)
–maxillary left central has a full porcelain crown
–maxillary left cuspid has root end involvement
–maxillary left second bicuspid has Class V caries on the buccal
–maxillary left first molar has an OB amalgam restoration
–maxillary left second molar is missing
–maxillary left third molar has drifted mesially
–the mandibular teeth have been extracted and the patient has a full denture



Unit Four
Learning Activity No. 4
Practice Using Charting Symbols

Directions: Use symbols to chart the following conditions:

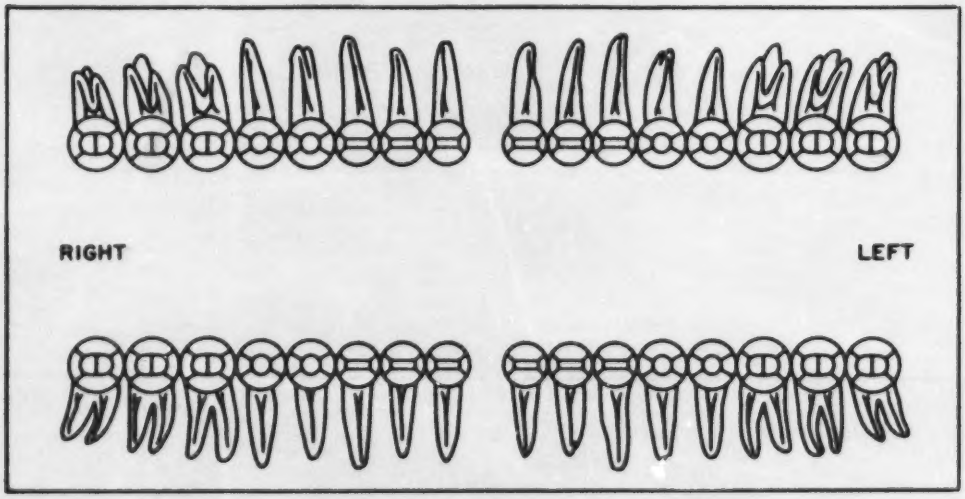
- –maxillary right third molar is impacted
- –maxillary right second molar needs to be extracted
- –maxillary right first molar has an MOD amalgam restoration
- –maxillary right second bicuspid has Class V caries on the buccal
- –maxillary right first bicuspid has Class V caries on the lingual
- –maxillary right cuspid has a Class III composite on the mesial
- –maxillary right central has a Class I amalgam restoration
- –maxillary left cuspid has a full porcelain crown
- –maxillary left first molar has a full gold crown
- –maxillary right third molar has a DO gold inlay
- –mandibular right second molar has an occlusal amalgam restoration with recurrent caries
- –mandibular right first molar has an MOD amalgam restoration with recurrent caries on all margins
- –mandibular right second bicuspid has a DO amalgam restoration with an overhanging margin on the disto-buccal
- –mandibular right first bicuspid has occlusal caries
- –mandibular right lateral has a disto-incisal fracture
- –mandibular left central has a composite restoration on the mesial
- –mandibular left second bicuspid has a full gold crown
- –mandibular left first molar is missing
- –mandibular left second molar has a full gold crown
- –the mandibular left second bicuspid and second molar are abutments for a bridge replacing the first molar



Unit Four
Learning Activity No. 5
Practice Using Charting Symbols and the International Tooth Numbering System

Directions: Chart the following conditions using symbols and the International Tooth Numbering System:

#18–occlusal amalgam restoration
#17–full gold crown
#16–missing
#15–¾ gold crown
–teeth #17 and #15 and abutments for a bridge replacing tooth #16
#14–occlusal caries
#11–root canal filling, full porcelain crown
#21–root canal filling, full porcelain crown
#23–Class I caries
#26–MO gold inlay
#27–OB amalgam restoration, Class V caries on the lingual
#28–occlusal amalgam restoration, Class V caries on the lingual
#38–occlusal caries, Class V caries on the buccal, Class V caries on the lingual
#37–Class I caries on the buccal
#36–full gold crown
#34–MO caries
#32–Class III caries on the mesial
#31–Class III caries on the distal, Class III composite on the mesial
#41–Class III composite on the mesial
#42–Class III composite on the distal
#44–MO caries
#46–OB amalgam restoration
#48–MO amalgam restoration



Unit Four

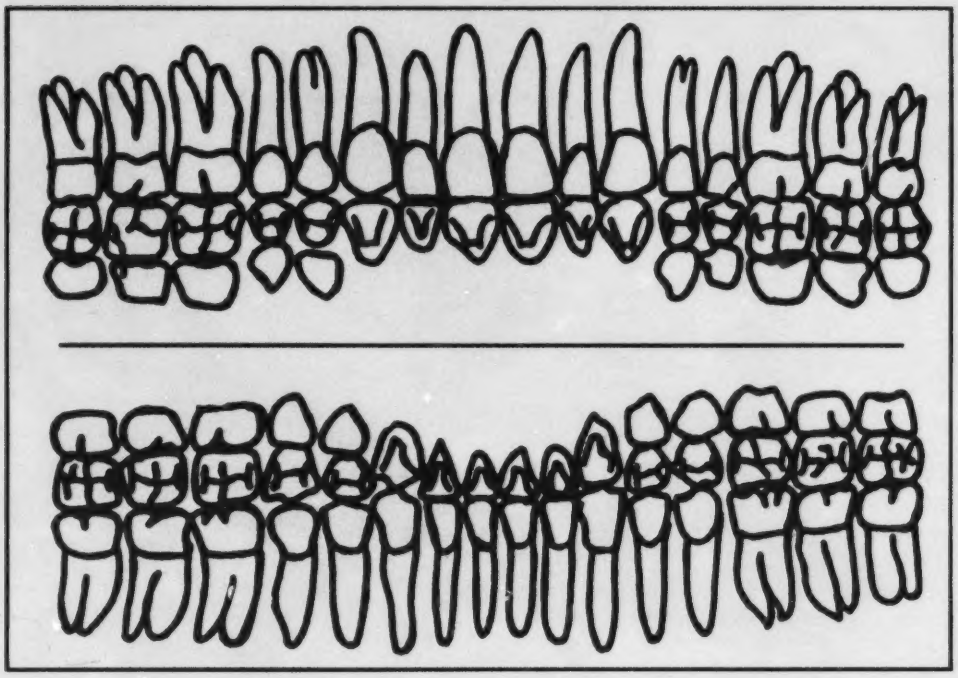
Learning Activity No. 6

Practice Using Charting Symbols and the Universal Tooth Numbering System

Directions: Chart the following conditions using the Universal Tooth Numbering System:

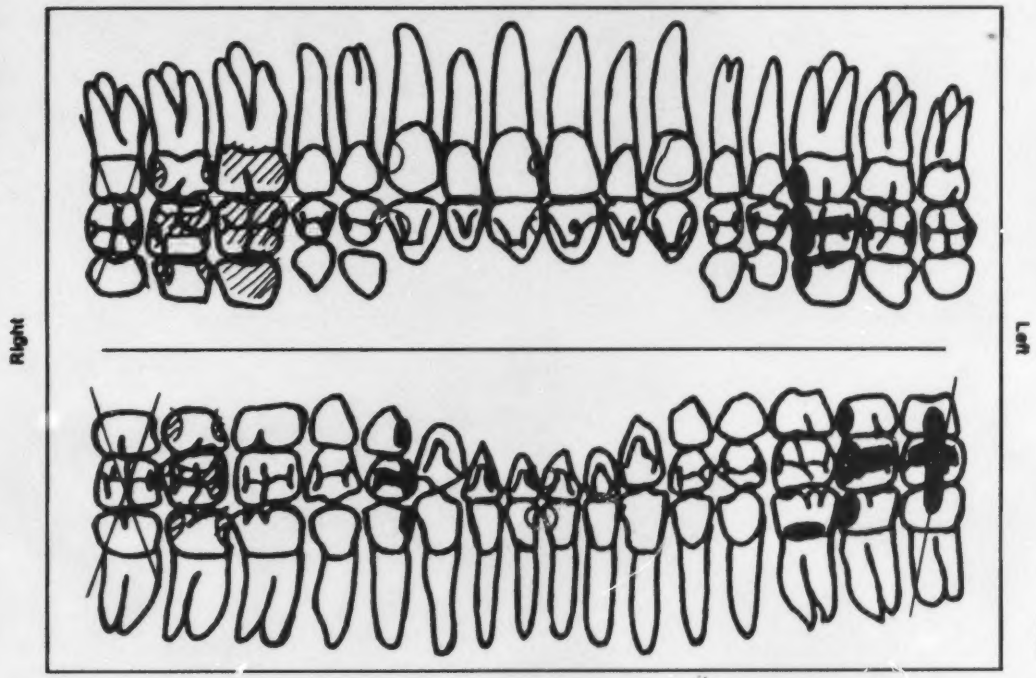
1—impacted
2—full gold crown
3—MOD amalgam restoration
4—Class V caries on the buccal
5—Class V caries on the buccal-occlusal amalgam
6—root canal filling, full porcelain crown
7—Class I amalgam restoration
8—Class III composite restoration on the mesial
9—Class IV composite restoration on the mesial
#10—root end involvement, Class I amalgam restoration
#12—Class I amalgam restoration
#13—Class I caries
#14—MO gold inlay
#15—full gold crown
#16—impacted
#17—impacted
#18—occlusal amalgam restoration, Class I caries on the buccal
#19—OL amalgam restoration with recurrent caries, Class V caries on the buccal
#20—¾ gold crown
#21—missing
#22—¾ gold crown
—teeth #20 and #22 are abutments for a bridge replacing tooth #21
#24—Class III composite on the mesial
#25—Class III composite on the mesial
#26—Class III caries on the mesial and distal
#27—Class III caries on the mesial
#28—MOD amalgam restoration
#29—Class V caries on the lingual
#30—OB amalgam restoration
#31—DO amalgam with a disto-buccal overhang
#32—needs to be extracted

(See chart on next page)


Right
Left

Unit Four
Learning Activity No. 7
Interpretation of Charting Symbols

Directions: This is an exercise in the interpretation of charting symbols. Answer the questions based on what has been charted on the following diagram.



1. How many units of gold work are on the maxillary arch?

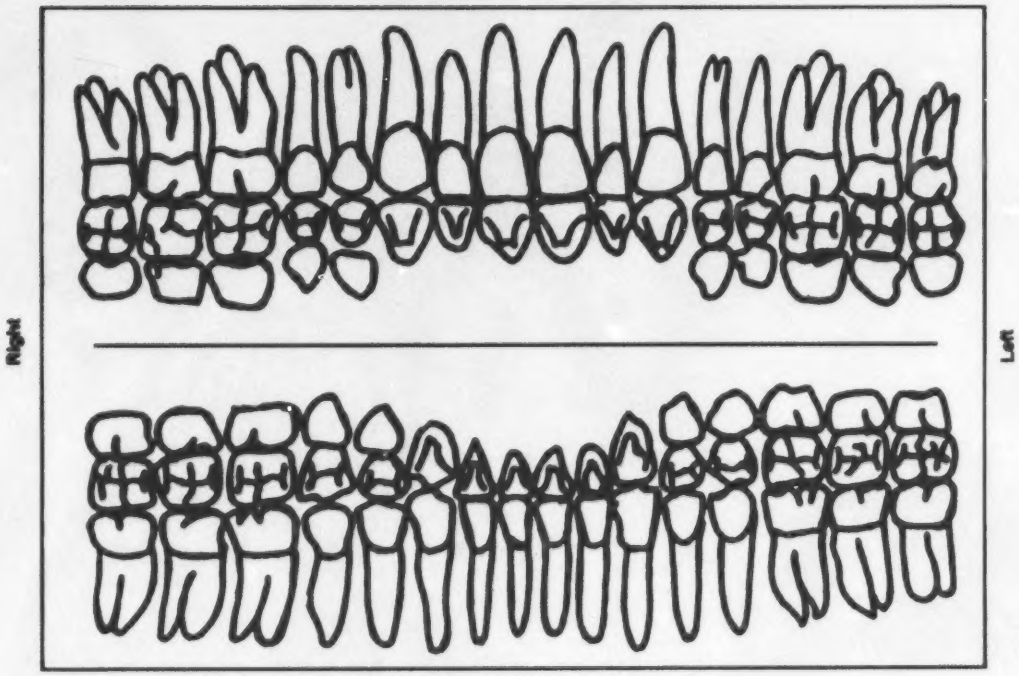
2. Name the teeth that have been marked with caries.

3. Using the International Tooth Numbering System, list the teeth that have composite restorations.

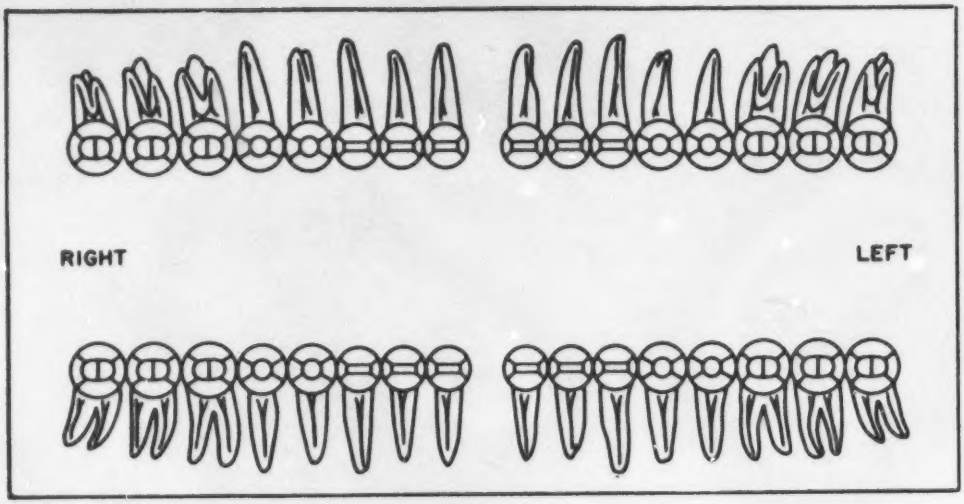
4. What condition exists on the maxillary left cuspid?

5. Name the missing teeth.

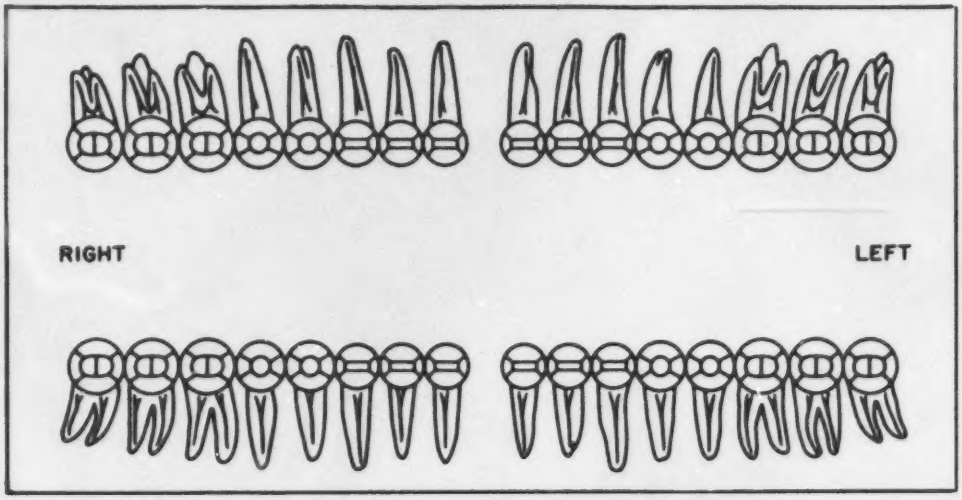
Unit Four
Learning Activity No. 8
Charting Dictation—A
Student Charting Sheet



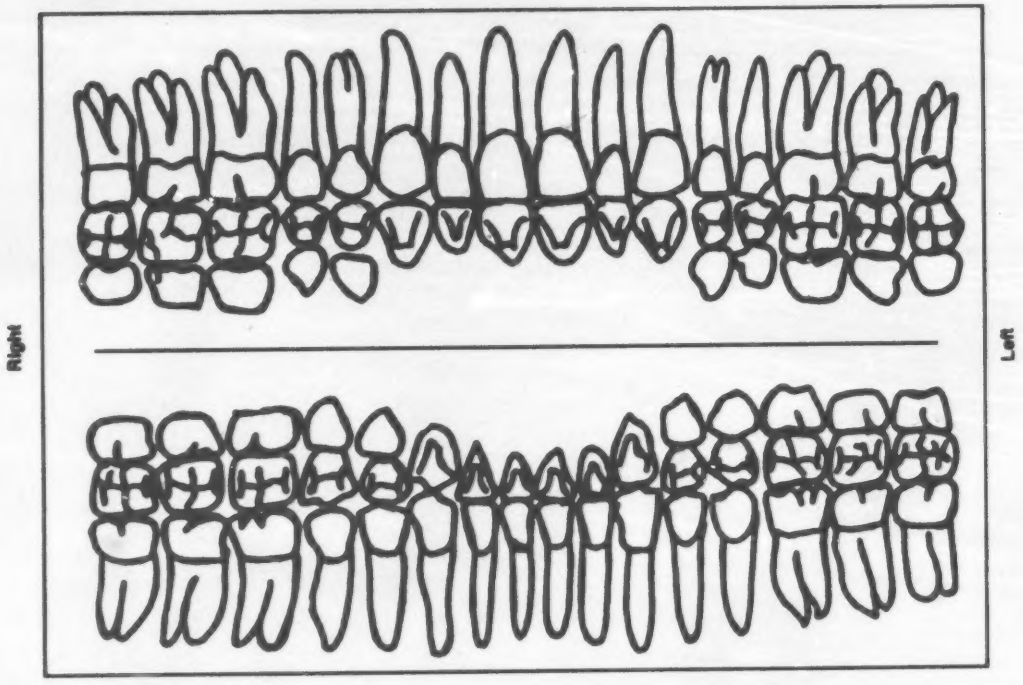
Unit Four
Learning Activity No. 8
Charting Dictation—B
Student Charting Sheet



Unit Four
Learning Activity No. 8
Charting Dictation—C
Student Charting Sheet



Unit Four
Learning Activity No. 8
Charting Dictation—D
Student Charting Sheet

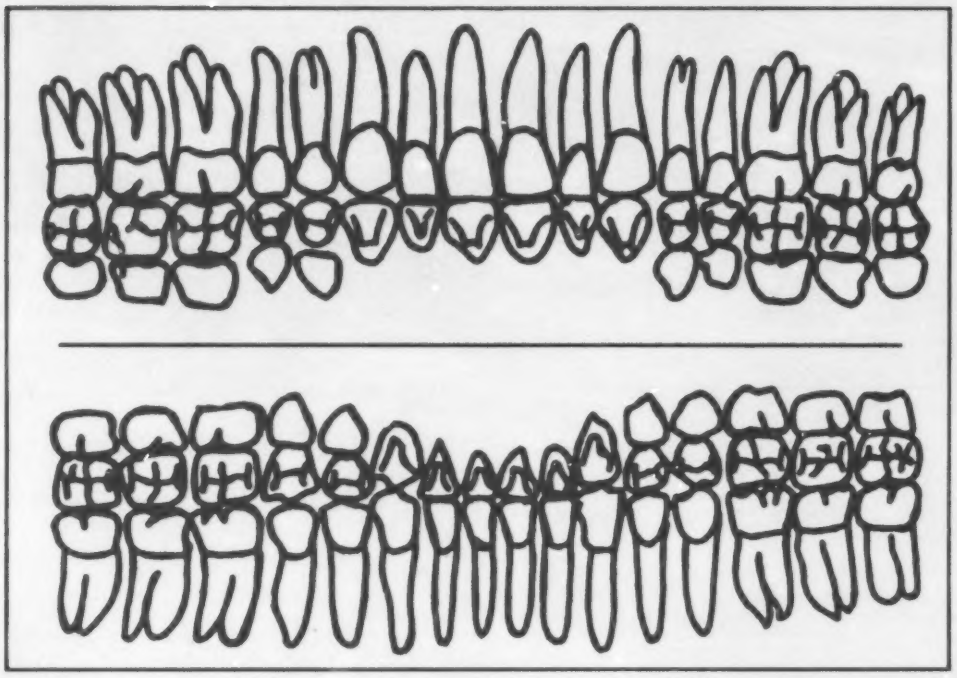


Unit Four Test
Charting Symbols

I. *Directions:* This part of the test is to be dictated if possible. Students record answers on chart on the next page.

–maxillary right third molar, impacted
–maxillary right second molar, full gold crown
–maxillary right first molar, MOD gold inlay
–maxillary right second bicuspid, ¾ gold crown
–maxillary right first bicuspid, Class V caries on the buccal
–maxillary right central, root canal treatment and a Class I amalgam restoration
–maxillary left central, Class I composite restoration
–maxillary left lateral, Class III caries on the distal
–maxillary left cuspid, Class III caries on the mesial
–maxillary left second bicuspid, porcelain-faced gold crown
–maxillary left first molar, missing
–maxillary left second molar, full gold crown
–the maxillary left second bicuspid and second molar are abutments for a bridge replacing the first molar
–maxillary left third molar, impacted
–mandibular right third molar, OB caries
–mandibular right second molar, DO amalgam restoration
–mandibular right first molar, MO amalgam restoration
–mandibular right second bicuspid, missing
–mandibular right first bicuspid, missing
–mandibular right cuspid, Class III caries on the mesial, root end involvement
–mandibular right lateral, Class III caries on the mesial
–mandibular right central, Class III caries on the distal
–mandibular left central, Class III composite restoration on the mesial
–mandibular left first bicuspid, MOD amalgam restoration
–mandibular left second bicuspid, ¾ gold crown
–mandibular left first molar, missing
–mandibular left second molar, missing
–mandibular left third molar, missing
–the patient has a partial denture replacing the mandibular right first and second bicuspids and the mandibular left first, second, and third molars

(See chart on next page)



II. *Directions:* Answer the following questions by referring to the conditions you have just charted.

1. What condition exists on the maxillary left central?
   _____ 1.
2. What classification of caries is found on the maxillary right first bicuspid?
   _____ 2.
3. Using the International Tooth Numbering System, list the tooth/teeth that have Class II amalgam restorations. _____ 3.
4. Using the Universal Tooth Numbering System, list the tooth/teeth that have Class I composite restorations. _____ 4.
5. How many Class III caries were charted?
   _____ 5.
6. What condition exists on the maxillary right first molar?
   _____ 6.
7. Name the teeth that have three-quarter gold crowns.
   _____ 7.
8. Which tooth has had root canal therapy?
   _____ 8.
9. How many teeth are missing on the maxillary arch?
   _____ 9.
10. What is the classification of the restoration found on the maxillary right central?
    _____ 10.
11. Name the teeth that are abutments for the bridge.
    _____ 11.
12. How many units of gold work have been charted?
    _____ 12.
13. On the mandibular right third molar, what surfaces are involved with caries?
    _____ 13.
14. Using the International Tooth Numbering jsystem, list the teeth being replaced by the partial denture.
    _____ 14.

Dental Charting
Specific Competencies
Progress Chart

Directions:

After completing this manual, ask your instructor to rate your job preparedness by completing this chart for the areas listed.

Rating Scale:

3–*Skilled:* can perform with little or no supervision
2–*Partial Skill:* can perform, but requires supervision
1–*Introduction:* introduced to occupational area

A. Dental Anatomic Terminology

	3	2	1
1. Identify dental terms and definitions.			
2. Recognize the dental arches.			
3. Cite the differences among the anatomic structures of the oral cavity.			
4. Name the teeth in primary dentition.			
5. Name the teeth in permanent dentition.			
6. Discuss the times of eruption of teeth.			
7. Label the quadrants of the oral cavity.			
8. Identify the parts of a tooth.			
9. Identify the surfaces of each tooth.			

B. Tooth Numbering Systems

1. Describe three tooth numbering systems.			
2. Identify any tooth according to the three numbering systems.			
3. Describe the differences between anatomic and geometric tooth diagrams.			
4. Name and locate various tooth surfaces.			

C. Classification of Caries and Restorations

1. Name the five cavity classifications.			
2. Identify the five cavity classifications on diagrams.			
3. Write the cavity/restoration classifications from definitions.			

D. Charting Symbols

1. Identify the symbols commonly used in charting.			
2. Chart cavities/restorations and other conditions.			
3. Interpret charting symbols from a completed diagram.			

CONTENTS OF STUDENT'S MANUAL

Unit 1. Dental Anatomical Terminology
Unit 2. Tooth Numbering Systems
Unit 3. Classification of Caries and Restorations
Unit 4. Charting Symbols

WORK SHEET

FOR COORDINATING JOBS WITH RELATED INSTRUCTION USING

Dental Charting

This form is for your convenience in planning and keeping records of training. Contents of the student's manual are at the left. The columns below provide space for listing job experiences for the individual student and assignment numbers and other references related to each job. Blanks are large and divided by days so the teacher and student can list other information that might be useful in a weekly log.

Student _____

Training Station _____

JOB EXPERIENCES	RELATED INSTRUCTION
Monday Work Hrs:	
Tuesday Work Hrs:	
Wednesday Work Hrs:	
Thursday Work Hrs:	
Friday Work Hrs:	